Bridges (Continued)

Wash., Spokane—City election Mar. 4, to vote on $900,000 bonds to build bridge over West Waterway, West Spokane St. A. D. Butler, city engr.

Ore., Oregon City—Clackamas Co. plans to build bridge over Willamette River between here and West Linn Twp. State will appropriate toward cost.

Cal., San Diego—A. H. Wright, city clk., soon receives bids building steel bridge with rein.-con. piers, 400 ft. long, 45 ft. wide, over San Diego River. About $60,000 appropriated for project. G. Cromwell, city engr.

Cal., San Diego—San Diego & Arizona Ry. petitioned City Council to fix grade so plans could be prepared for steel bridge over Imperial Ave. Cost between $12,000 and $15,000. E. J. Kallright, ch. engr.

Que., St. Pamphile—Municipal Council plans to build 175 ft. steel span bridge with 2 concrete piers over Black River. About $20,000. J. Moreau, secy.

BIDS DESIRED

Neb., David City—Until Feb. 6, by Bd. Supervs. Butler Co., building steel, wood and concrete bridges during year. M. J. Bouse, clk.

Ariz., Douglas—Until Mar. 3, by Cochise Co. Highway Comn., building rein.-con. bridge over Silver Creek near here. J. C. Ryan, engr.

Cal., Los Angeles—Until Feb. 17, by A. M. McPherrin, clk., Los Angeles Co., building rein.-con. bridge, 257 ft. long, 8 ft. wide, over street to connect buildings at county hospital. About $12,500. W. Davidson, Hall of Records, engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. J., Passaic**—New York Belting & Packing Co., Passaic Ave., let contract building steel and concrete bridge here, 75 ft. long, 15 ft. wide, to J. W. Ferguson, United Bank Bldg., Paterson. About $10,000.

★**Kan., Topeka**—Comrs. Shawnee Co. let contract building 4 rein.-con. bridges on new Fort to Fort Highway between Ft. Riley and Ft. Lavenworth, to span Deer, Stinson, Tecumseh and Whitson Creeks, to F. Luttjohann, 1122 West 2nd St., $42,011. Noted Jan. 16.

★**Neb., Wayne**—Comrs. Wayne Co. let contracts building concrete and steel bridges during year, to Norfolk Bridge & Constr. Co., Norfolk, and Standard Bridge Co., 1302 City Natl. Bank Bldg., Omaha. Noted Dec. 26.

Structural Steel

PROPOSED WORK

Cal., San Diego—See "Bridges."

Reinforced Concrete

PROPOSED WORK

Conn., New Haven—See "Bridges."

N. Y., Carthage—See "Industrial Works."

Md., Baltimore—See "Buildings."

Ga., Dublin—See "Bridges."

Wis., Menasha—See "Bridges."

BIDS DESIRED

Minn., Alexandria—See "Streets & Roads."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract.)

★**N. Y., New York**—See "Miscellaneous."

★**N. J., Passaic**—See "Bridges."

Streets and Roads

PROPOSED WORK

Massachusetts—State Legislature, Boston, petitioned to complete state highway between Cummington and Adams Twps., cost $50,000; improve highway between Holden Twp. and Wachusett Mountain, $10,000; highway between Middlefield, Chester and Worthington Twps., $20,000.

Mass., Boston—State Legislature petitioned to authorize city to borrow $10,000,000 to build highway from junction of Eliot and Tremont Sts., northeasterly across Washington St. and Harrison Ave. to Bedford St. and relocate and widen Bedford St. from Kingston St. to Church Green, 80 ft. wide. E. F. Murphy, city engr.

Mass., Brockton—A. McLeod, mayor, petitioned State Legislature, Boston, for authority to borrow $400,000 to extend Centre St. west to Warren Ave.

Connecticut—State Highway Comn., Hartford, plans to build state road from Coventry Twp. to State Institute at Mansfield Twp. About $100,000.

N. Y., Buffalo—Bd. Supervs. Erie Co. recommend construction of county and town roads as follows: 3 mi. East Concord-Springville Rd., Concord Twp., 3 mi. Langford-New Oregon Rd., North Collins Twp., 1.8 mi. Zoar Rd., Collins Twp., 4.5 mi. Center St. Colden Twp., 3.8 mi. Pontiac-Derby Rd., Evans Twp., 4.6 mi. Rapids-Greiner Rd., Newstead and Clarence Twps., 2.8 mi. Armor-Duell's Corners Rd., East Hamburg Twp., 4.6 mi. Getzville-Swormsville Rd., Amherst Twp., 3 mi. Hunters Creek Rd., Wales Twp., 4.6 mi. East Aurora-Griffins Mills Rd., Aurora Twp., 3 mi. Versailles-Mile Strip Rd., Brant Twp., 1.3 mi. Chaffee-Java Rd., Sardinia Twp., 4.8 mi. Vermont Hill Rd., Holland Twp., 2.5 mi. East Amherst Rd., Amherst Twp., 2.8 mi. New Oregon-Wyandale Rd., Concrete Twp., mostly waterbound macadam except 1 mi. Delaware Ave., Tonawanda Twp., concrete, 16 ft. wide on one side of street only, replacing brick pavement between car track and curb. Cost will be borne by county and townships.

N. Y., West Point—State Legislature, Albany, petitioned to appropriate sum to build road from West Point, Putnam Co., through Cold Spring, Kent Cliffs and Carmel Twps.

New Jersey—State Highway Comn., State House, Trenton, had surveys made and plans prepared for improving 3.68 mi. Roebling-Bordentown Sect., Route 14, 18 ft. concrete pavement, 30 ft. graded, involving 15,000 yd. excav. and 40,000 sq.yd. concrete paving, Burlington Co.; 5.87 mi. Egg Harbor-Ellwood Sect., Route 3, White Horse Pike, 18 ft., 30 ft. graded, involving 15,000 cu.yd. excav., 62,000 sq.yd. concrete paving, 27,000 sq.yd. gravel shoulders; 2.873 mi. Ellwood-Da Costa Sect., Route 3, White Horse Pike, 30 ft. graded, 18 ft. paved, involving 13,000 cu.yd. grading, 41,000 sq.yd. concrete paving, 20,000 sq.yd. gravel shoulders; 3.6 mi. Belcoville-Mays Landing Sect., Route 14, 30 ft. graded, 18 ft. paved, involving 5000 cu.yd. grading, 37,000 sq.yd. concrete paving, etc., Atlantic Co.; 3.575 mi. Rio Grande-Wildwood Junction Sect., Route 14, Main Shore Rd., 18 ft. paved, 30 ft. graded, involving 7000 cu. yd. excav., 38,000 sq.yd. concrete paving, 13,000 sq.yd. gravel shoulders; 2.1 mi. Wildwood Junction-Cape May Courthouse Sect., Route 14, Main Shore Rd., 30 ft. graded, 18 ft. paved, involving 5000 cu.yd. grading, 22,000 sq.yd. concrete paving, 8000 sq.yd. gravel shoulders, Cape May Co.; plans have been prepared for 4.418 mi. Da Costa-Hammonton Sect., Route 3, near Hammonton, 30 ft. graded, 18 ft. paved, involving 23,000 cu.yd. excav., 47,000 sq.yd. concrete paving and 15,000 sq.yd. gravel shoulders, Atlantic Co.; 5.15 mi. Mullica Hill-Mantua Sect., Route 6, 30 ft. graded, 18 ft. paved, involving 35,000 yd. grading, 54,000 sq.yd. concrete paving, Gloucester Co. W. G. Thompson, Broad St. Bank Bldg., Trenton, engr.

Pa., Du Bois—City plans election to vote on $75,000 bonds to rebuild Boulevard.

Pa., Hazleton—City plans to pave various streets during year. About $50,000. J. Rough, city engr.

Pa., Scranton—City plans to pave Tayler Ave. from Olive to Gibson Sts. sheet asphalt on concrete base, about $14,428; paving Pine St. from Webster to Taylor Aves., sheet asphalt and stone blocks on concrete base, $5680. W. A. Schunk, city engr.

Va., Petersburg—City plans to appropriate $50,000 to pave Halifax St. from present pavement to point south of Jones St.; Union St. from Washington to Halifax and Fleet Sts. R. D. Budd, city engr.

N. C., Charlotte—City soon lets contract for resurfacing and paving various streets. About $55,000 available for work. W. E. Vest, city engr.

N. C., Winston—Salem—City plans to pave various streets, bitulithic and asphalt. Cost between $200,000 and $300,000. J. Firth, city engr.

Ga., Quitman—See "Bridges."

Fla., Ft. Pierce—Comrs. St. Lucie Co. plan to expend $70,000 for building Dixie Highway, north of St. Lucie.

Fla., Jacksonville—City soon lets contract furnishing all material and laying about 8246 sq.yd. vitr. brick pavement, on 4 in. concrete base, with cement filler and 4 x 10 in. concrete curb set flush with brick, on Talleyrand Ave. from Deer Creek to city limits. F. M. Edwards, city engr.

Fla., Milton—Comrs. Santa Rosa Co. plan to issue $80,000 bonds to build hard surface road from west side of Oskaloosa line to east end of Black Water River, here. J. F. Poore, chn.

Fla., Pensacola—Council sold $50,000 bonds to grade, pave and curb various streets. J. O. Walker, city clk. Noted Aug. 15.

Ala., Guntersville—Comrs. Marshall Co. receive bids in April for surfacing about 8 mi. road between Guntersville and New Hope. Cost $30,000. G. Gilbreath, judge.

Mississippi—State Highway Comn., Jackson, has announced that various counties and road districts of Mississippi will have approximately $3,000,000 available for road work during 1919. Federal aid of $500,000 will also be expended. N. A. Kramer, Magnolia, engr.

Miss., Fayette—Comrs. Jefferson Co. plan to issue $330,000 bonds to improve 100 mi. road. O. S. Gillis, clk.

Miss., Lexington—Bd. Supervs. Holmes Co. plan to issue $75,000 bonds to build roads in Dist. No. 5. J. H. Fuqua, clk.

La., Gretna—Jefferson Parish plans election to vote on $125,000 bonds to build and improve various roads. State Highway Dept. will appropriate $50,000 toward work if election carries.

Tenn., Clarksville—Comrs. Montgomery Co. plan to issue $50,000 bonds to build roads. J. T. Cunningham, co. judge.

Ky., Louisville—City plans to expend $200,000 to pave and improve various streets. J. Chambers, city engr.

O., Cleveland—City soon lets contract grading, paving and draining Aetna, Denison, Flora, Korman, Poe, Roehl, Woodside, East 102nd, 103rd, 104th, 128th, and West 44th, 90th and 91st Sts., 2 mi. long, 25-75 ft. wide, involving 50,000 sq.yd. 6 in. concrete, 40,000 sq.yd. brick block, 80,000 sq.yd. 6 in. concrete base and 35,000 ft. Berea stone curbing. R. Hoffman, city engr.

O., Lakewood—City plans to pave Carabel Ave., 7400 yd. long, 29 ft. wide. About $36,840. E. A. Fisher, city engr.

O., Lakewood—City receives bids in summer paving, grading, draining, opening and extending Franklin Ave. E. A. Fisher, city engr.

O., Lakewood—City receives bids in spring paving 2415 yd. Woodford Ave., 25 ft. wide, cost, $12,600; 2415 yd. Shaw Ave., 30 ft. wide, $12,600; 4500 yd. Andmar Ave., 36 ft. wide, $31,700; 1800 yd. Detroit Ave., 60 ft. wide, $14,500; 47,000 yd. Madison Ave., 40 ft. wide, $305,500; 82,000 yd. Clifton Blvd., 60 ft. wide, $473,000; also paving and grading 4000 yd. Chesterland and Olive Aves., 25 ft. wide, $19,000; paving, grading and draining 2870 sq.yd. Marlowe Ave., 30 ft. wide, $18,350. E. A. Fisher, city engr.

O., Lakewood—City receives bids in summer paving 4320 yd. Bell Ave., 25 ft. wide, cost $36,500; 600 yd. Morrison Ave., 45 ft. wide, $30,000. E. A. Fisher, city engr.

O., Lakewood—City receives bids in summer paving Rio and Idlewood Aves., 2500 yd. long, 25 ft. wide. About $13,350. E. A. Fisher, city engr.

Mich., Detroit—Bd. Pub. Wks. plans to resurface and widen 1000 ft. Cass Ave. from Grand River to Michigan Aves., from 56 to 80 ft.; 1000 ft. Madison Ave. from Randolph to Antoine Sts., 40 to 90 ft.; 300 ft. Beaubien St. from Madison to Gratiot Aves., 40 to 60 ft.; 300 ft. Witherell St. from Montcalm to High Sts., opened to 60 ft. width. H. H. Esselstyn, comr.

Mich., Detroit—Bd. Pub. Wks. soon receives bids paving Ellsworth Court from Lenox to Newport Aves., 30 ft. wide, cost $24,300; Eastlawn Ave. from Korte to Essex Aves., 26 ft. wide, $28,952; Drexel Ave. from Korte to Essex Aves., 26 ft. wide, $23,876; Lenox Ave. from Korte to Essex Aves., 26 ft. wide, $21,573; Piper Blvd. from Korte to Freud Aves., 26 ft. wide, $42,911; Newport Ave. from Korte to Essex Aves., 26 ft. wide, $30,550; Blaine Ave. from Dexter Blvd. to Radford St., 26 ft. wide, $16,866; asphaltic concrete pavement on 8 in. concrete base, Berea or Medina curbing. H. H. Esselstyn, comr.

Streets and Roads (Continued)

Mich., Detroit—H. H. Esselstyn, comr. pub. wks. soon lets contract paving Gilbert Ave. from north line Michigan Ave. to south line Wagner St., 26 ft. wide, involving 5642 cu.yd. earth excav., 7702 lin.ft. Berea or Medina curbing, 13,312 sq.yd. asphalt, 6 in. concrete base, 246 cu.yd concrete under and behind curb, 1625 lin.ft. retaining stone; Anderson Ave. from north line Kercheval Ave. to south line Charlevoix Ave., 26 ft. wide, involving 3190 cu.yd. earth excav., 3236 lin.ft. Berea or Medina curbing, 4944 sq.yd. asphaltic concrete, 6 in. concrete base, 92 cu.yd. concrete under and behind curb, 166 lin.ft. retaining stone; Trenton Ave. from north line Ferndale to south line Woodmere Aves., 26 ft. wide, involving 1784 cu.yd. earth excav., 2734 lin. ft. Berea or Medina curbing, 4182 sq.yd. asphaltic concrete, 6 in. concrete base, 79 cu.yd. concrete under and behind curb, 228 lin.ft. retaining stone; Oregon Ave. from present pavement to east line Colfax Ave., 26 ft. wide, involving 2041 cu.yd. earth excav., 2056 lin.ft. Berea or Medina curbing, 3053 sq.yd. asphaltic concrete, 6 in. concrete base, 57 cu.yd. concrete under and behind curb, 78 lin.ft. retaining stone; Petoskey Ave. from north curb Joy to north line Graham Aves., 26 ft. wide, involving 1787 cu.yd. earth excav., 1965 lin.ft. Berea or Medina curbing, 3038 sq. yd. asphaltic concrete, 6 in. concrete base, 57 cu.yd. concrete under and behind curb, 210 lin.ft. retaining stone; Boxwood Ave. from north line Moore to south line Tireman Aves., 26 ft. wide, involving 1080 cu.yd. earth excav., 1424 lin.ft. Berea or Medina curbing, 2178 sq.yd. asphaltic concrete, 6 in. concrete base, 41 cu.yd. concrete under and behind curb, 108 lin. ft. retaining stone; White St. from north line Jefferson Ave. to south line Harbaugh St., 20 ft. wide, involving 800 cu.yd. earth excav., 1564 lin.ft. Berea or Medina curbing, 1866 sq.yd. asphaltic concrete, 6 in. concrete base, 46 cu.yd. concrete under and behind curb, 156 lin.ft. retaining stone; Wilson Ave. from north line Virginia Park to south line Euclid Ave., 26 ft. wide, involving 754 cu.yd. earth excav., 674 lin.ft. Berea or Medina curbing, 1058 sq.yd. asphaltic concrete, 6 in. concrete base, 19 cu.yd. concrete under and behind curb, 65 lin.ft. retaining stone; Wilson Ave. from north line Bethune to south line Pallister Aves., 26 ft. wide, involving 520 cu.yd. earth excav., 588 lin.ft. Berea or Medina curbing, 827 sq.yd. asphaltic concrete, 6 in. concrete base, 16 cu.yd. under and behind curb; Wilson Ave. from north line Clairmont to south line Atkinson Aves., 26 ft. wide, involving 597 cu.yd. earth excav., 533 lin.ft. Berea or Medina curbing, 892 sq.yd. asphaltic concrete, 6 in. concrete base, 17 cu.yd. concrete under and behind curb, 104 lin.ft. retaining stone. C. F. Hubbel, city engr.

Mich., Grand Rapids—City plans to pave Grand Ave. from Fulton to Fountain Sts., sheet asphalt on concrete base, cost $8000; Gezon Alley from Leonard to Crosby Sts., $4735; Godfrey Ave. from Hill St. to city limits, $7130; Lincoln Ave. from Bridge to Walker Sts., concrete, $32,600; Alabama Ave. from 1st to 3rd Sts., brick, $10,380; repave Island St. from Ellsworth to Ionia Sts., brick, $8950; Madison St. from State to Washington Sts., sheet asphalt on concrete base, $5385; Hilton Ave. from Prescott to Franklin Sts., brick on concrete base, $21,660; Terrance Ave. from Washington to State Sts., asphalt on concrete base, $3980; College Ave. from Carrier St. to Sweet Ave., $31,960; Folton St. from Jefferson to Grand River Sts., concrete, $38,820. C. J. Wagner, city engr.

Ill., Rock Island—City having plans prepared paving 13th St. between 18th and 19th Aves. and 19th Ave. between 12th and 13th Sts., asphalt, 900 ft. long, 60 ft. wide. About $11,000. W. Treichler, city engr.

Wis., Chilton—City having plans prepared by J. Donahue, engr., Sheboygan, paving 8000 ft. Main St., 30 to 40 ft. wide. Work involves 20,000-30,000 sq.yd. 8 in. concrete pavement. About $60,000.

Wis., Kaukauna—City having plans prepared by A. E. McMahon, engr., Menasha, paving 10 blocks Lawe St., 40 ft. wide. About $30,000. Work involves 15,000 sq. yd. asphalt pavement on 5 in. concrete base.

Wis., LaCrosse—Comrs. La Crosse Co. having plans prepared for road and bridge work. About $75,000 appropriated for project.

Minn., Minneapolis—Park Bd. plans election to vote on $3,000,000 bonds to pave roads in parks. W. F. Cappelin, city engr.

Minn., Minneapolis—State Legislature authorized $400,000 bonds for paving streets. W. F. Cappelin, city engr.

Neb., Lincoln—City soon receives bids paving 1340 ft. Starr, Charles and 33rd Sts., Dist No. 403, 25 ft. wide, asphaltic concrete. About $10,000. Work involves 3400 sq.yd. asphaltic concrete, 2900 lin. ft., combined concrete curbing and guttering and 3400 sq.yd. 5 in. concrete base.

Neb., Tekumseh—City plans to pave 12 blocks in business sect., 30-60 ft. wide. About $90,000.

North Dakato—State Highway Comn., Bismarck, plans to build 4.5 mi. road in Bottineau Co., cost $10,000; 10 mi. road in Oliver Co., south from Center City, $10,055; 5 mi. road through La Moure City, La Moure Co., $10,000. W. H. Robinson, Bismarck, engr.

N. D., Wahpeton—City receives bids about Apr. 1, paving and curbing 42,500 sq.yd. 6th and 8th Sts. L. W. Burdick, city engr.

Mo., Kansas City—Jackson Co. having tentative plans prepared by O. C. Sheley, co. highway engr., for highway between here and Independence, 1¼ mi. long, 100 ft. wide. About $18,750.

Mo., Warsaw—Comrs. Benton Co. plan to build 22 mi. road. About $20,000.

Ark., De Queen—Comrs. Rd. Dist. No. 4, Sevier Co. sold $100,000 bonds to build road from here to county line.

Tex., Albany—Comrs. Shackelford Co. had plans prepared building 11.2 mi. road. Cost between $30,000 and $40,000.

Tex., Dallas—City plans to pave section of Jeffries and Wall Sts., Forest, Pennsylvania and Peabody Aves., bitulithic. G. D. Fairtrace, city engr.

Tex., Ft. Worth—City plans to pave Calhoun St. Cost between $30,000 and $40,000. F. J. Von Zuben, city engr.

Tex., Gonzales—Comrs. Gonzales Co. soon lets contract building 24 mi. Houston-San Antonio Highway from Waelder to Belmont.

Tex., Granbury—Comrs. Hood Co. plan election to vote on bonds to build 10 mi. Highway No. 25.

Tex., Greenville—Comrs. Hunt Co. plan election to vote on $112,303 bonds to build 12.5 mi. road from Fannin Co. line south. J. H. Rush, Greenville, engr.

Tex., Houston—City and Comrs. Harris Co. plan to rebuild Camp Logan Highway. About $64,000. E. E. Sands, city engr.

Tex., Weatherford—Parker Co. election Mar. 1, to vote on $400,000 bonds to build roads. Noted Oct. 24.

Tex., Weatherford—City election Apr. 1 to vote on $60,000 bonds to pave streets. E. B. Ferrell, city, clk.

Colo., Denver—City receives bids about Mar. 1, surfacing with smelter slag, loam sand and gravel, 30 blocks, North Denver Surfacing Dist. No. 4, cost $19,645; building cement side walks, cross walks, culverts, etc., on 45 blocks, South Denver Impvt. Dist. No. 15, $53,934. J. H. Hunter, city engr.

Colo., Pueblo—City plans to expend $216,000 for paving various streets. D. P. Gaymon, city engr.

Idaho, Boise—City plans to pave 24,500 sq.yd. streets, probably bitulithic. About $47,000. C. C. Stevenson, city engr.

Idaho, Caldwell—City plans to pave Kimball Ave. About $50,000.

Ore., Portland—Comrs. Multnomah Co. notified by R. C. Holman, chn., to make survey of highway to Oregon Medical College on Marquam Hill.

California—State Highway Comn., Forum Bldg., Sacramento, soon receives bids grading 11 mi. Hanford-Coalinga-San Lucas Rd., 18 ft. wide, involving 6 in. concrete pavement, concrete and galvanized iron culverts, etc. A. B. Fletcher, state highway engr. Noted Jan. 30.

Cal., San Diego—City receives bids in spring paving 11,500 lin.ft. Cass and Garnet Sts. through Pacific Beach to Rose Canyon, cost, $44,000; 18,300 lin.ft. road from Camp Kearney Rd. to Rose Canyon, $72,000; Park Blvd., $27,000; Jackdaw, Hunter and Avalon Sts., $23,000, all pavement to be concrete, 5 in. thick. G. Cromwell, city engr.

Cal., San Diego—City soon lets contract paving Robinson Ave., Indiana St. and Park Blvd. Work involves 178,140 sq.ft. asphalt macadam wearing surface on 4-in. concrete base, 26,525 lin. ft. cement concrete sidewalk, 5248 lin. ft. cement concrete curb, 2441 cu.yd. excav., 1387 cu.yd. embankment, 293 lin. ft. culverts, 445 lin. ft. water pipes, etc. G. Cromwell, city engr.

Cal., Santa Barbara—Bd. Supervs. Santa Barbara Co. soon receives bids paving 2 mi. Santa Rita Rd., 16 ft. wide, concrete on 5 in. concrete base. About $15,000.

N. B., Fredericton—City plans to pave various streets. About $200,000. G. Perkins, clk.

Que., Sherbrooke—City plans to expend $100,000 for paving various streets. E. C. Gatien, clk.

Ont., Carlton—Comrs. Carlton Co. receive bids in spring building various roads. About $40,000. Patterson & Byrne, 71½ Sparks St., Ottawa, engr.

Ont., Chesterville—Town plans to build 4 mi. concrete sidewalks. G. Elliott, clk.

Ont., Ottawa—Dept. of Highways, Toronto, soon receives bids building 54 mi. Ottawa-Prescott Highway, concrete and tarmacadam. G. Hogarth, engrs.

Ont., Strathroy—See "Sewers."

Sask., Saskatoon—City plans to pave various streets. About $202,420. A. Leslie, clk.

BIDS DESIRED

N. Y., Lockport—Until Mar. 31, by Bd. Supervs. Niagara Co., building 3.507 mi. Lockport Rd. Sect. 2, bituminous macadam, 16 ft. wide, Wheatfield and Cambria Twps., 3.097 mi. Mapleton Rd., bituminous macadam, 16 ft. wide, Pendleton Twp., 0.275 mi. Sugar St., Lewiston Twp., 1.527 mi. Sugar St., concrete, 16 ft. wide, Niagara Falls Twp., 2.30 mi. Old Niagara Rd., concrete, 15 ft. wide, Lockport City and Twp., 1.39 mi. Gilbert Cor-Griswold Rd., bituminous macadam, 16 ft. wide, St. Royalton Twp., 2.07 mi. Stone Rd., bituminous macadam 14 ft. wide, Hartland Twp., 2.26 mi. Slayton Settlement Rd., bituminous macadam, 12 ft. wide, Royalton Twp. F. H. Krull, clk.

W. Va., Fairmont—Until Mar. 6, by Marion Co. building 6 mi. improved roads and streets, Grant Dist. here. A. G. Martin, co. clk.; advertised in this issue.

Fla., Ft. Meyers—Until Feb. 12, by Comrs. Lee Co., grading portion of Tamiami Trail Rd. R. G. Collier, chn.

Indiana—By Bd. Co. Comrs. building roads in following counties:

Mar. 3, Warren Co., Williamsport, gravel and concrete road in Pine, Washington, and Warren Twps. W. H. Stephens, aud.

Mar. 4, Bartholomew Co., Columbus, crushed stone roads in Rockcreek and Hawcreek Twps. A. Henderson, aud.

Minn., Alexandria—Until Mar. 5, by V. Thomas, aud. Douglas Co., building 16 mi. State Rd. No. 1, Federal Aid Project No. 27, involving 144,543 cu.yd. excav., 13,700 lin.ft. guard rail, 1814 lin.ft. 12-36 in. concrete culverts, leading and hauling 19,001 cu.yd. gravel surfacing material and 2-W 46 x 24 ft. rein.-con. culverts; 3 mi. State Aid Job No. 1904 involving 29,812 cu.yd. excav., 5450 lin.ft. guard rail, 196 lin.ft. 12-24 in. concrete culverts and loading and hauling 3284 cu.yd. gravel surfacing material. Noted Jan. 9.

Minn., St. Paul—Until Feb. 17, by Comrs. Ramsey Co., paving and grading with clay and gravel 1 mi. Highwood Rd.; 1 mi. Dale St. from Crosby Rd. north; ½ mi. Frost Ave.; 1 mi. Hamline Ave. from Valentine to Menomine Sts.; 1 mi. Fairchild Ave. from Dale to Rice Sts.; ¾ mi. Snelling Ave. from Robinson Lake Rd. north; 1¾ mi. Anoka Co. Line Rd. from Centerville Rd. west to 1917 improvement; 1¾ mi. Mayant St. from St. Paul and Duluth Rd. east to White Bear and Lake Phalen Rd.; 1¼ mi. Labere St. from Edgerton St. north to East Town Lake Rd., ½ mi. Newell St. from Dale St. east, and ¾ mi. Oak Dale Ave.

Kan., Oswego—Until Feb. 14, by Comrs. La Bette Co. graveling Kings Trail Rd., Federal Aid Project No. 2, in Federal Rd. Dist. No. 5, 48,450 ft. long, 18 ft. wide, involving 50,002 cu.yd. earth excav., 86,164 sq.yd. gravel roadway. About $75,000. W. J. King, co. engr.

Streets and Roads (Continued)

N. D., Forman—Until Feb. 18, by Sargent Co., building 31.5 mi. earth road and culverts on Federal Aid Project No. 15, 36 ft. wide. About $54,384. W. H. Robinson, Bismarck, engr.

Tex., Jasper—Until Feb. 11, by Comrs. Jasper Co. building 17 mi. hard surfaced road from Call Junction to Buna. Project includes concrete drainage structures and vitr. clay culverts. G. R. Abney, co. engr.

Ariz., Clifton—Until Feb. 24, by A. L. Terry, clk., Greenlee Co., building Sects. 1 to 6 and part of 7 Clifton-Springerville Rd.

Cal., San Diego—Until Feb. 17 by A. H. Wright, city clk., grading and paving Cass and Turquoise Sts. and La Jolla Blvd., 18,435 ft. long, 20 ft. wide, 5 ft. graded on either side. About $79,500. Work involves asphaltic oil-stone screening surface, 5 in. concrete base, etc.

Cal., Santa Ana—Until Feb. 18 by E. L. Vegely, city clk., improving various streets. Work involves 570 cu.yd. excav. and 24,194 sq.ft. class "B" concrete pavement.

Cal., Santa Ana—Until Feb. 18, by J. M. Backs, clk. Orange Co., paving 1 mi. Edinger St. in 5th Rd. Dist., concrete, 16 ft. wide. About $15,000. E. L. McBride, co. surv.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

N. Y., New York—M. E. Connolly, pres. Queens Boro., received bids Jan. 29, (1) regulating and grading roadway space, etc., in 88th St. from 102nd to 104th Sts.; (2) regulating, grading, curbing and laying sidewalks and paving Hancock St. from Wyckoff Ave. to Evergreen branch of Long Island R.R., sheet asphalt on 6 in. concrete base (3) 124th St. from Metropolitan to Jamaica Aves., (4) 125th St. from Jamaica to 89th Aves., (5) 150th St. from Beaver Rd. to South Rd., (6) Barclay St. from Parsons Blvd. to 147th St., (7) Emerson St. from Freedom Ave. to Oxford St., (8) Delaware Ave. from Parsons Ave. to 147th St., (9) 153rd St. from Northern Blvd. to 34th Ave., (10) Gates Ave. from Grandview to Forest Aves., (11) Armand Pl. from Walter St. to point southwest. (12) 102nd St. from Jamaica Ave. to Park Lane, S., (13) 123rd St. from point north of 85th to 89th Aves., from R. A. Hess, Inc., Elmhurst, L. I., (1) $2224, (5) $826, (8) $341, (9) $1531, (10) $1142, (11) $1276; Grimm Constr. Co., Maginta St., Brooklyn, (1) $2544, (3) $9942, (4) $5042, (5) $1051, (10) $1246; E. W. Fitzpatrick, 244 Jackson Ave., Long Island City, (1) $2593, (6) $644, (7) $21,450, (11) $1427, (13) $15,442; Sicilian Asphalt Paving Co., 41 Park Row, (2) $5448; Uvalde Asphalt Paving Co., 1 Bway., (2) $6306; C. Gallagher, (3) $9595, (13) $13,863; Peace Bros. 20 Main St., Flushing, (3) $10,030, (4) $5230, (6) $690, (8) $360, (9) $1630, (11) $1490, (12) $300; T. Welch, (4) $5350; J. Jennings, 3927 Ferris Ave., Long Island City, (5) $1081, (12) $315; McCarthy Rush & Ryan, East Trenton Ave., Bronx, (6) $593, (8) $298, (9) $1250, (10) $1040; Serverio & Britton, 238 South Elm St., Richmond, S. I., (7) $21,790, (12) $338; Scott & Kurth, Woodhaven, L. I., (7) $28,157; C. A. Meyers, Stagg St., Brooklyn, (13) $15,633. Noted Jan. 23.

★**Fla., Lakeland**—City let contract building 4 mi. asphalt paving, to Wm. P. McDonald Constr. Co., Lakeland. About $80,000 available for work.

★**Ala., Gadsen**—City plans to repair various streets. About $10,000. Work will be done by day labor.

Ohio—State Highway Comn., Columbus received bids Jan. 31, building roads and bridges as follows:

Ashtabula Co., Sect. N, O and P, Cleveland-Buffalo Rd., 1192 mi., from F. P. Fitzgerald, Ashtabula, $421,419.

Ashland Co., Sect. "G" Savannah-Vermillion Rd., 4.08 mi., from S. Newhall Co., 623 Citizens Bldg., Cleveland, monolithic brick, $104,752.91; plain concrete, $67,975.

Columbiana Co., Sect. "E," Cleveland-East Liverpool Rd., construction of bridge, Hardin & Maurer, Sidney, $20,535.

Guernsey Co., Sect. "T," Stuebenville-Cambridge Rd., 2.04 mi., from J. P. Mumaw, Huntington, W. Va., $21,698.

Sect. "A," McConnelsville-Spencer Rd., 1.36 mi. from G. Shafer, Caldwell, $22,159.

Highland Co., Sect. "I," Milford-Hillsboro Rd., 2.79 mi., from Brewer & Brewer Sons, Chillicothe, waterbound macadam, $43,276; T. Vogelburg, London, bituminous macadam, $49,000.

Sect. "K," Milford-Hillsboro Rd., 4.63 mi. from J. M. Snouffer, Columbus, bituminous macadam, $89,148, waterbound macadam, $84,964.

Sect. "C-2," Hillsboro-Chillicothe Rd., 0.14 mi., from Hardin & Maurer, Sidney, $15,781.

Knox Co., Sect. "L," Columbus-Wooster Rd., 1.99 mi., from Edwards & Erwin, Sunbury, rein.-con., $58,200. R. S. Blinn, Mt. Vernon, semi-monolithic brick, $68,023.

Miami Co., Milton-Carlisle Rd. from Huber, West Milton, "A," $19,791, B-1, $6,142. Noted Jan. 16.

Ill., Edwardsville—City received lowest bid paving Brown St. from Vandalia to Logan Sts., Aldrup St. from Brown to Fillmore Sts., Wolf St. from Brown to Buchanan Sts. and Dewey Ave. from Brown St. to city limits, from J. Kesl, Edwardsville. About $23,680. Noted Jan. 16.

★**Ill., Moline**—City let contract paving 25th St., to McCarthy Impvt. Co., Davenport, Ia. About $40,000.

★**Kan., Topeka**—Shawnee Co. let contract paving, grading and building culverts on 3.889 mi. Sect. A. Federal Aid Project No. 4, Topeka-Lawrence Rd. on Fort to Fort Highway, 18 ft. roadway, including 2 course concrete, 6 in. base and 2 in. top course, involving 41,416 sq.yd. concrete, 940 lin.ft. concrete gutter, 20,577 cu.yd. earth excav., 563 cu.yd. rock excav., 25,666 lb reinforced steel, to Cook & O'Brien Constr Co., Kansas City, Mo., cost $137,294; 5,966 mi. Sect. B. involving 63,157 sq.yd. concrete, 56,933 cu.yd. dry earth excav., 4473 cu.yd rock excav., 36,626 lb reinforced steel, to J. O. Patterson & Co., Kansas City, Mo., $230,931. Noted Jan. 30.

★**Okla., Oklahoma**—City let contract to Western Paving Co., 518-19 Terminal Bldg., $16,903, paving 12th St. from Bway. to Oklahoma Ave.; Olie Ave. from 17th to 18th Sts.; 13th St. from Western Ave. to right of way of Oklahoma Ry.; part of block on Classen Blvd. and 10th St. west of Hudson Ave.

Railways

PROPOSED WORK

District of Columbia—See "Buildings," Wash., D. C.

Washington—City of Spokane plans election Mar. 4, to vote on bond issue to improve municipal car line. A. D. Butler, city engr.

California—La Jolla Electric Line, recently incorporated with $250,000 capital stock, plans to purchase part of abandoned right of way of La Jolla Ry. between Bird Rock and La Jolla and will build electric line to connect with Mission Beach electric line. Cost about $108,000, of which $54,000 will be paid to old La Jolla line for track. E. F. Stahle, c/o Chamber of Commerce, La Jolla, treas.

Saskatchewan—City of Saskatoon plans to extend street railway. About $46,000.

Excavation and Dredging

PROPOSED WORK

Mass., Quincy—Excavation—State Legislature passed bill for appropriation of $50,000 to deepen Neponset River, 3 mi. long to 14 ft. depth. J. N. Cole, chn. waterways & pub. lands comn.

N. Y., Albany—Barge Canal Terminals—State Legislature petitioned to appropriate $950,000 to build barge canal terminals at Kingston, Newburgh, Poughkeepsie and Yonkers.

N. Y., Kingston—Barge Canal Terminals—See "Albany."

N. Y., Newburgh—Barge Canal Terminals—See "Albany."

N. Y., Poughkeepsie—Barge Canal Terminals—See "Albany."

N. Y., Seneca Falls—Barge Canal Terminal—State Legislature, Albany, petitioned to appropriate $100,000 to build barge canal terminal here.

N. Y., Waterloo—Barge Canal Terminal—State Legislature, Albany, petitioned to appropriate $100,000 to build barge canal terminal here.

N. Y., Yonkers—Barge Canal Terminals—See "Albany."

Ga., Royston—Drainage—C. A. Ginn soon lets contract draining Beaverdam Creek. Work involves 160,000 cu.yd. excav. and 1200 cu.yd. rock excav., dipper dredge. About $38,000.

Ia., Clarion—Drainage—Comrs. Wright Co. (Clarion) and Hamilton Co. (Webster City) soon let contract building system in D. D. No. 178 and Joint Dist. No. 223 involving 5955 ft. 8-30 in. tile. F. H. Eyler, aud.

Ia., Jefferson—Drain—Comrs. Greene Co. soon let contract building Drain No. 128, involving 114,080 ft. 6-42 in. tile and 46 ft. sewer pipe, assorted sizes. S. J. Melson, engr.

Ia., Monona—Drainage—Comrs. Onawa Co. soon let contract repairing cut-offs of Little Sioux River D. D. No. 1 involving 434,000 cu.yd. excav. on 4½ mi. ditch; repairing main canal of D. D. No. 1, involving 950,000 cu.yd. excav. on 19 mi. ditch. J. A. Gray, chn.

Colo, Sterling—Excavation—North Sterling Irrigation Dist., Logan Co. Bank Bldg., plans to increase capacity of 60 mi. canal by deepening portion 3 ft. E. H. Jones, dist. engr.

Cal., Dinuba—Irrigation—Alta Irrigation Dist. plans to build about 106,000 sq.ft. cement lining in ditches, cement drops, etc. in connection with irrigation system. Work involves about 900 ft. cement pipe. About $30,000. Address E. Sibley, supt.

Cal., El Centro—Canal—Dirs. Imperial Irrigation Dist. ratified contract with U. S. Recl. Serv. by which district secures right to take water from Colorado River at Laguna Dam. For this privilege it must pay $1,600,000 in 20 annual payments. Contract requires that district build works at Laguna Dam for diverting water, enlarge present government canal 6 mi. from dam to Syphon Drop, also build new 40 mi. canal within United States from Syphon Drop to point north of Calexico, etc. Cost between $20,000,000 and $25,000,000. Noted Jan. 16.

Cal., Riverside—Drainage—West Riverside D. D. plans election to vote on bond issue to drain 1100 acres along Santa Ana River. Address G. A. Sarou, Riverside, atty.

BIDS DESIRED

S. C., York—Ditches—Until Feb. 11, by Comrs. Turkey Creek D. D. No. 1, building 26 mi. open ditches in York and Chester Counties, involving 861,860 cu.yd. W. D. Alexander, Charlotte, N. C., engr. Noted Dec. 26.

Miss., Tunica—Excavation—Until Feb. 17, by Comrs. Prichard D. D., Tunica Co., for 540,000 yd. floating dredge work and 25,000 cu.yd. earth embankment. S. J. Houston, pres. L. W. Mashburn, Clarksdale, engr.

Ind., Greenfield—Drain—Until Feb. 22, by C. Boon, engr., Hancock Co., building G. W. Parker et al Drain, Buck Creek Twp. Work involves 500 ft. 8 in., 1300 ft. 10 in., 2910 ft. 12 in., 5500 ft. 14 ft. and 1717 ft. 20 in. tile.

Wis., Stiles—Ditch—Until Feb. 25, by Comrs. 1st D. D. of Stiles and Lena Twps., at Court House, Oconto, building 15 mi. open ditch involving 12,000 ft. 16-24 in. tile. A. Rocque, secy.

Ia., Logan—Drainage—Until Feb. 18, by Comrs. Harrison Co. (Logan), and Monona Co. (Onawa), building Upper Willow D. D. No. 2, Sects. 1 to 9, involving 520,786 cu. yd. excav. H. B. Owens, aud. Noted Dec. 26.

Minn., Alexandria—Excavation—See "Streets and Roads."

Minn., Tyler—Ditch—Until Mar. 13, by A. L. Swenson, aud., Lincoln Co. (Ivanhoe), building Co. Ditch No. 45, involving 14,885 ft. 6-22 in. tile. About $12,806. G. Thorn, engr.

Kan., Oswego—Excavation—See "Streets and Roads."

Ark., Jonesboro—Ditch—Until Feb. 18, by A. W. Hall, secy. Comrs. Cache River D. D., Craighead, Lawrence and Jackson Counties, building 22 mi. main ditch and 12 mi. lateral, involving 5,500,000 cu.yd. excav. J. R. Rhyne, Corning, engr. Noted Sept. 26.

Tex., Jasper—Drainage—See "Streets & Roads."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Cal., Lindsay**—Irrigation—Lindsay—Strathmore Irrigation Dist. let contract excavating, trimming and lining 105,000 sq.yd. ditches with 1 in. cement, to W. A. Kraner, Marsh Strong Bldg., Los Angeles, $50 per cu.yd. for excav. and $.105 sq. ft. for trimming and lining. Noted Oct. 17.

Industrial Works

PROPOSED WORK

Mass., Chelsea—Griffin Wheel Co., 49 Federal St., having plans prepared by S. K Vial, engr., c/o owner, building 1-story foundry to replace one destroyed by fire.

Mass., Everett—W. T. Littlefield, archt., 9 Hamilton Pl., Boston, soon receives bids building 2-story, 65 x 125 ft. brick and concrete factory, concrete flooring and foundation on Boulevard and Winter Sts. for Standard Envelope Sealer Mfg. Co., c/o architect. About $50,000.

Mass., Pittsfied—W. T. Littlefield, archt., 9 Hamilton Pl., Boston, receives bids in spring building 2-story, 190 x 220 ft. brick and concrete factory, rein.-con. flooring and concrete foundation, for McGilvray-Cummings Co., c/o. architect. About $200,000.

Mass., Worcester—A. S. Hanson, 873 Main St., had plans prepared by E. T. Chapin, archt., 340 Main St., for 2-story, 64 x 111 ft. brick garage at 741 Main St. About $30,000.

R. I., Elmwood (Providence P. O.)—Providence Body Co., 32 Eagle St., Providence, receives bids about Mar. 1, building 1 story, 80 x 200 ft. brick and mill construction factory with 2 wings on Elmwood Ave. here. About $55,000.

N. Y., Carthage—Natl. Paper Products Co., 1789 Montgomery St., San Francisco, Cal., plans to build 2 story, concrete and steel addition to mill here. About $150,00.

N. Y., New York—W. H. Hussy & Son, 150 West 35th St., having plans prepared by G. Keister, archt, 56 West 45th St., for 4-story, 42 x 98 ft. steel and brick warehouse, rein.-con. flooring, concrete foundation, 233-235 West 35th St. About $75,000.

N. Y., Watertown—Knowlton Bros., 139 Mill St., had plans prepared by C. Eaton, engr., Sherman Bldg., for brick and concrete addition to plant. About $50,000.

N. Y., Woodhaven—Amer. Tool & Dye Co., Lexington Ave., Brooklyn, having plans prepared by W. T. McCarthy, archt., 16 Court St., Brooklyn, building 2 story, 50 x 95 ft., steel or rein.-con. and brick factory, rein.-con. flooring, concrete foundation, on Atlantic and Freedom Aves., here. About $25,000.

Pa., Green Ridge (Scranton P. O.)—Susquehanna Collieries Co., Commercial Trust Bldg., Phila., had plans prepared for building central power plant here with high voltage transmission lines to other collieries. About $2,000,000.

Pa., Hollidaysburg—Pennsylvania R. R., Broad St. Sta., Phila., plans to build extension to engine house, here. About $50,000. A. C. Shand, ch. engr.

Pa., Honesdale—Honesdale Consolidated Heat, Light & Power Co., 110-7th St., plans to build electric power plant. About $50,-000.

Pa., Phila.—W. T. Clark and S. Craighead, 1635 North Broad St., having plans prepared for 1 story, 103 x 194 ft. garage at 1736-1748 North Broad St.

Pa., Scranton—Maloney Oil & Mfg. Co., 141 Meridan St., having plans prepared by J. J. Howley, archt., Trader's Bank Bldg., for 3 story 90 x 100 ft. brick and concrete service station on Washington Ave. and Mulberry St.

Md., Baltimore—See "Buildings."

Md., Sparrows Point—Bethlehem Steel Corp., Bethlehem, Pa., plans expenditure of $20,000,000 during 1919 to complete commercial steel plant. J. N. Stringley, in charge of construction.

Tenn., Centerville — Standard Ground Rock Phosphate & Fertilizer Co. receives bids in spring building mill construction fertilizer plant. About $40,000. A. H. Grigsby, Pres.

Tenn., Memphis—Memphis Packing Corp., Central State Natl. Bank Bldg., plans to build and equip modern packing house. About $1,000,000. T. Newson, pres.

O., Cleveland—Century Realty Co., 209 Williamson Bldg., plans to build 4 story, 60 x 104 ft. brick steel and rein.-con. manufacturing plant, rein.-con. flooring and concrete foundation on East 17th St. and Payne Ave. About $50,000.

O., Cleveland—H. M. Morse & Co., archts., 413 Citizens Bldg., soon receives bids building 2 story, 80 x 160 ft. brick, steel, and rein.-con. factory, rein.-con. flooring on West 110th St. and New York Central R.R., for Reflex Ignition Co., 1708 Payne St. About $65,000.

O., Toledo—Toledo Ry. & Light Co., Smith and Baker Bldg., plans to issue $3,200,000 bonds for acquisition, construction, extension and equipping of additional property; also for improvements and extensions to existing light and power plants. None of money to be raised by these bonds is to be spent upon street railways property. F. R. Coates, pres. and genl. mgr.

Mich., Detroit—J. G. Kastler Co., archts., 523 Chamber of Commerce, receives bids about Feb. 15, building 3-story, 53 x 156 ft. brick and rein.-con. bakery, rein.-con. flooring and concrete foundation on 31st and Herbert Sts., for Polonia Baking Co., 420 30th St. About $100,000. Noted Sept. 26.

Mich., Muskegon—Brunswick-Balke-Collender Co., Laketon Ave., plans to build addition to factory. About $200,000.

Wis., Green Bay—Conradson Machine Tool Co., recently incorporated with $300,-000 capital stock, acquired 12 acre site and plans to build plant to include machine shop, experimental shop, drafting room, office and warehouse and shipping building. C. A. Conradson, ch. engr. and mgr.

Wis., Menasha—Lakeside Paper Co. had plans prepared for additions to its plant. Cost including equipment, $80,000.

Wis., Milwaukee—Amer. Automobile Co., 187 Wisconsin St., purchased site at Prospect Ave. and Ivanhoe Pl. and plans to build garage, service station and machine shop. About $45,000. A. E. Raffauf, mgr.

Wis., Wausau—Marathon Shoe Co. plans to build 3 story brick and concrete factory. About $30,000. S. J. Pentler, secy. and mgr.

Minn., Minneapolis—Bd. Charities & Corrections plans election to vote on $344,000 bonds to build work-house. W. F. Chappelin, city engr.

Kan., Topeka—State plans to build brick, concrete and steel addition to printing plant here. About $40,000. R. L. Gamble, state archt.

Wyo., Manville—Town granted franchise to E. P. Bacon, Casper, to build and operate light, heat and power system here.

Wyo., Thermopolis—Town adopted resolution to make application to Wyoming Pub. Serv. Co. for transferable franchise for building municipal light and power system. This action taken in connection with application to Wyoming Pub. Serv. Co. by Hot Springs Light & Power Co. for increase in rates, which was opposed by town on grounds of poor service.

Mo., Chesterfield—L. B. Faust, pres., Chesterfield Cooperative Grain Assn., receives bids about March building grain elevator with 70,000 bu. capacity. About $30,000.

Mo., Kansas City—Kansas City Light & Power Co., 1500 Grand Ave., plans to expend $5,500,000 for improvements. H. Blackwell, vice pres.

Mo., Springfield—United Iron Wks., Mill and Prospect Sts., plans to build brick machine shop on Natl. Blvd. About $30,000. C. H. Cole, Kansas City, pres.

Mo., St. Louis—Floor Shine Paint & Varnish Mfg. Co., 2744 Olive St., receives bids about March building addition to factory. About $30,000. C. F. McKinley, pres.

Ark., Ashdown—United Oil Mills, Hope, plans to build mill construction plant here to replace one recently destroyed by fire. About $50,000. W. Y. Foster, Sr., Hope, pres.

Tex., Dallas—Wyatt Metal & Boiler Wks., 1817 Coombs St., purchased 155 x 500 ft. site and plans to build an addition to its plant. About $25,000. W. J. Wyatt, pres.

N. F., St. John's—Imperial Oil Co., 56 Church St., Toronto, Ont., plans to build addition to plant here. About $50,000.

Ont., Galt.—Riverside Silk Mills, Water St. N., purchased site on Melville St., and plans to build factory. About $50,000.

Ont., Port Colborne—Dominion Government, Ottawa, plans to build addition to grain elevator here, to have capacity of 1,000,000 bu.

BIDS DESIRED

N. Y., Brooklyn—Until Feb. 21, by F. H. Kimball, archt., 71 Bway., New York City, building 1-story, 75 x 200 ft., brick and steel garage, rein.-con. flooring, concrete foundation, 69th St. and Ft. Hamilton Pkway., for Municipal Auto Garage Co., 25 Court St. About $35,000.

N. Y., Long Island City—Until Feb. 14, by Buchman & Kahn, archts., 56 West 45th St., New York City, building 2 story, 200 x 200 ft., steel and brick factory, rein.-con. flooring, concrete foundation, Johnson, Stewert and Varick Aves. and Long Island R.R. here for Englander Spring Bed Co., 88-35th St., Brooklyn. Noted Jan. 2 under "Brooklyn."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. Y., Brooklyn**—Rockwood & Co., 88 Washington Ave., let contract altering and building 3 story, 100 x 200 ft., steel and brick addition, rein.-con. flooring, concrete foundation, 21-35 Waverly Ave., to W. L. and G. H. O'Shea, 29 Bway., New York City. About $83,000.

★**N. Y., Brooklyn**—Spencer Realty Co., Bway., and Havermeyer St., will build 1 story, 50 x 200 ft., steel and brick garage, rein.-con. flooring, brick foundation, Bedford and Myrtle Ave. About $65,000. Work will be done by day labor. Noted Jan. 16.

★**N. Y., Buffalo**—Donner-Union Coke Corp., Abbey Rd., let contract building plant consisting of brick and steel by-product coke building, cost, $100,000; concrete coal bin, $100,000; machine shop, $17,000; etc., to H. J. Koppers Co., Abbey Rd. Total cost of plant will amount to approximately $5,000,000.

★**N. Y., Lyonsville**—Moyer & Pratt let contract improving plant, to W. Charlebois, 841 Mill St., Watertown. About $70,000.

★**N. Y., New York**—A. C. Merkle, Inc., 233 Bway., will build 4 story, brick and steel factory, rein.-con. flooring, concrete foundation, 517 West St. About $145,000. Work will be done by day labor. Noted Jan. 30.

★**Va., Norfolk**—I. Fass, foot of Water St., Portsmouth, let contract building 1 story, 111 x 115 ft. brick ice and cold storage plant, Crawford St., to J. H. Harris. About $30,000.

★**O., Cleveland**—Bd. Pub. Serv. let contract building 1 story, 105 x 133 ft. brick and concrete garage, rein.-con. flooring, concrete foundation, on East 3rd St. and St. Clair Ave., to G. A. Rutherford Co., 1922 East 18th St. About $50,000.

★**O., Cleveland**—Clover Meadow Creamery Co., 1837 East 55th St., let contract building 2 story brick steel and rein.-con. creamery plant, rein.-con. flooring, concrete foundation, to Bolton & Pratt Co., 801 Columbia Bldg. About $60,000. Noted Jan. 30.

★**Wis., Milwaukee**—A. B. and B. Specialty Co., 3300 Fond du Lac Ave., let contract building 2 story, 55 x 100 ft., brick and concrete addition to plant, to J. Metz, 1014 Center St.

★**Mo., St. Louis**—Yung & Mueller Baking Co., 1913 North Prairie Ave., let contract building 2 story, 54 x 115 ft. brick bakery, to Hartman & Schuermann, Odd Fellows Bldg. About $40,000.

Buildings

PROPOSED WORK

N. H., Laconia—Hotel—Eastern Hotel Co., c/o F. C. Watson, archt., 30 Elm St., Gloucester, Mass., had plans prepared building 4-story, 40 x 180 ft. frame and stucco on Lake Shore Ave., here.

Mass., Belchertown—Dormitory—Commonwealth of Massachusetts receives bids in spring building home for feeble-minded, here, 2-story, 75 x 90 ft. brick and rein.-con., rein.-con. flooring and concrete foundation. About $100,000. Address G. M. Kline, 36 State House, Boston. dir mental diseases. Kendall, Taylor & Co., 94 Federal St., Boston, archts.

Mass., Boston—Hospital—Comn. Mental Diseases applied to State Legislature for appropriation to build kitchen and dining room in west group, Boston State Hospital, cost, $100,000, kitchen and dining room, east group, $110,000; home for nurses in east group, $80,000.

Buildings (Continued)

Mass., Boston — Hospital — Beth Israel Hospital, Townsend St., plans to build. About $150,000.

Mass., Boston—Temple, etc.—City had plans prepared by F. C. Brown, archt., 9 Park St., for memorial liberty temple to consist of civic auditorium, museum and colonnade of nations. About $4,000,000.

Mass., New Belford—Hospital—City receives bids in spring building brick, concrete and steel hospital group, rein.-con. flooring and concrete foundation on Mt. Pleasant, Myrtle, Van Buren and Jefferson Sts. Plans include ward and operating buildings, laundry and power house. About $160,000. H. T. Borden, 154 Fair St., chn. comm. J. S. McIntyre, 22 Clifford Bldg., archt.

Mass., North Reading—Hospital, etc.—Trustees of Hospitals for Consumptives filed petition in State Legislature, Boston, for authority to expend $82,618 to build new hospital at North Reading Sanitorium, $48,156 for nurses' dormitory and chapel and $5000 for radial brick chimney.

Mass., Plymouth—Memorial—City voted $250,000 bonds to build memorial to commemorate landing of Pilgrims and services of sons in other wars.

Mass., Rutland—Hospital—Central New England Sanitorium receives bids about Mar. 1 building 3-story, 40 x 90 ft. administration building and two 3-story 35 x 100 ft. ward buildings, hollow tile and stucco construction, rein.-con. flooring and concrete foundation. About $250,000. E. F. Stercus, 9 Park St., Boston, archt. B. T. Crane, supt.

R. I., Pawtucket—Church and Parish House—Notre Dame congregation receives bids in spring building brick church and parish house. About $200,000.

R. I., Pawtucket—Church—St. Edwards congregation plans to build. About $100,000.

R. I., Pawtucket—Club House—B. P. O. E., 14 School St., plans to build. About $50,000.

R. I., Pawtucket—Club House—Knights of Columbus receives bids about Mar. 15, building clubhouse and home. About $80,000. M. J. Gallagher, chn.

R. I., Providence — Auditorium — City plans to build large memorial auditorium.

R. I., Providence—Dormitory—Brown University, College, St., receives bids in spring building dormitory on Cushing St. for Pembroke College. About $130,000.

R. I., Providence—High School—Bd. Educ. receives bids in spring building 3 story, 170 x 300 ft. brick, rein.-con. flooring and concrete foundation, on Pond, Winter and Spring Sts. and Montcalm Court. About $400,000.

Conn., Bridgeport—Bank—North End Bank & Trust Co., plans to build brick and marble on Main St. and Wheeler Ave. Address J. T. L. Hubbard, 1115 Main St.

Conn., Hartford — Auditorium — D. B. Hillyer, 108 Gillett St., plans to build auditorium on Trinity St., to be known as Bushnell Memorial. About $500,000.

Conn., Hartford—Office—Aetna Life Insurance Co., 650 Main St., purchased site on Jowell, Hicks and Trumbull Sts. and plans to build large office building, probably 30 stories high.

Conn., Hartford—School—Bd. Educ. appropriated $250,000 to build addition to Northeast School on Westland St.

Conn., Middletown — Hospitals — State plans to construct 2 tuberculosis hospitals and building for acutely insane at South Farms here. About $125,000 and $175,000 respectively.

Conn., Naugatuck — Armory — State Legislature, Hartford, petitioned to appropriate $60,000 to build new state armory here.

Conn., New Haven — Armory — State Legislature, Hartford, petitioned to appropriate $500,000 to build new state armory here.

Conn., New London—Schools—Bd. Educ. plans to issue $500,000 bonds to build new schools.

Conn., Norfolk—Home—Comrs. Fairfield Co. (Bridgeport), plan to build 2-story, brick addition on Westfield Ave. here. About $50,000.

Conn., Unionville — School — St. Marys congregation soon receives bids building 2-story brick, concrete and steel, rein.-con. flooring and concrete foundation. About $60,000. W. H. Redding, pastor. Brown & Buren, 185 Church St., New Haven, archts.

Conn., Wallingford — Armory — State Legislature, Hartford, appropriated $225,000 to build new state armory here.

Conn., Wallingford—Office—R. Wallace & Sons Mfg. Co., Quinnipiac St., plan to build. About $50,000. W. P. Crabtree, 272 Main St., New Britain, archt.

N. Y., Albany—School—Bd. Educ. Colonie Twp., soon receives bids building 2-story, 60 x 65 ft., concrete and brick, concrete foundation, Stop 28, Schenectady Rd. About $50,000. E. H. Newmann, Stop 24, Schenectady Rd., archt.

N. Y., Brooklyn — Parish House — St. Bartholomews Protestant Episcopal congregation, 1227 Pacific St., having preliminary sketches prepared by M. Montrose & Sons, archts., 533 Bedford Ave., for steel, brick and stone parish house, brick foundation, Pacific St. and Bedford Ave. F. M. Townley, rector.

N. Y., Brooklyn—Schools—Bd. Educ., 500 Park Ave., New York City, soon receives bids building P. S. 100, 4 story, 100 x 144 ft., West 1st St., Coney Island, cost, $299,500; P. S. 80, 4 story, 100 x 144 ft., West 19th St., Coney Island, $310,230; P. S. 29, 5 story, 118 x 192 ft., Henry and Harrison Sts., $543,474; P. S. 182, 5 story, 118 x 192 ft. Dumont Ave. and Wyona St., all brick and concrete construction, concrete foundation. Noted Dec. 5.

N. Y., Forest Hills—School—Bd. Educ., 500 Park Ave., New York City, having plans prepared by C. B. J. Snyder, archt., Municipal Bldg., for 2-story, 105 x 108 ft., steel and brick, concrete foundation, here. About $200,000.

N. Y., Middletown—Memorial—City receiving competitive plans for brick, steel and concrete memorial building. About $200,000

N. Y., New York—Armory—State Legislature, Albany, petitioned to appropriate $600,000 to build armory in Queens Boro.

N. Y., New York—Office—J. J. Astor, London, England has had tentative plans prepared by C. E. Birge, archt., 29 West 34th St., for 31 story, 66 x 98 ft., at 8-12 Wall St. About $1,500,000.

N. Y., New York—Theatre—B. F. Keith, 1564 Bway., had plans prepared by W. H. McElfatrick, archt., 701 7th Ave., for 3-story, 200 x 228 ft., steel and brick, concrete foundation, Fordham Rd. and Valentine Ave., Bronx. About $300,000.

N. J., Newark—Memorial—Bd. Educ. had tentative plans prepared by J. H. and W. C. Ely, archts., Firemen's Bldg., for 4 story, 300 x 600 ft., on Broad St. and Clinton Ave. About $1,000,000.

N. J., South Orange—Memorial—South Orange Service Memorial Corp. plans campaign to raise $150,000 to build 2 story, brick and limestone, South Orange Ave. and Valley St. E. Stout, 66 Ralston Ave., archt.

N. J., Verona—Hospital—Bd. Freeholders Essex Co., (Newark) soon receives bids on revised plans for rein.-con. steel and brick, tuberculosis hospital, rein.-con. flooring, concrete foundation, on Fairview Ave. J. Green, Essex Bldg., Newark, archt.

Pa., Mt. Carmel—Church—St. Joseph's congregation plans to build. About $60,000. M. Mayer, pastor.

Pa., Palmerton—School—Bd. Educ. having plans prepared by C. H. Lloyd, archt., Telegraph Bldg., Harrisburg, building grade school. About $100,000.

Pa., Phila.—Bank—Kensington Trust Co., Kensington and Allegheny Aves., plans to build 1-story, 54 x 78 ft. and 15 x 54 ft. additions. About $50,000. Heacock & Hokanson, Bailey Bldg., archts.

Pa., Phila.—Store—L. W. Hirsch Co., 923 Market St., soon lets contract remodelling 5-story, 46 x 200 ft. building adjoining present store into addition for its own use. About $250,000. F. E. Hahn, 112 Chestnut St., archt. Noted Jan. 16.

Pa., Pittsburgh — Church — East End Christian Church had plans prepared by B. Janssen, archt., Century Bldg., for church on Shady Ave. and Howe St. About $150,000.

Md., Aberdeen—Bank—Smith & May, archts., 1133 Calvert Bldg., Baltimore, receive bids about Mar. 15, building 1 story, 50 x 75 ft., concrete, steel and brick, concrete foundation, for 1st Natl. Bank, here. About $50,000.

Md., Baltimore—Bank—Seaboard Bank, Park Ave. and Fayette St., receives bids about Mar. 1, altering 5 story, concrete and steel bank. About $60,000. R. L. Harris, 2027 Kennedy Ave., archt.

Md., Baltimore—Terminal United Rys. & Electric Co., Continental Bldg., purchased site on Eastern Ave. and 15th St., East Baltimore, and plans to build steel and concrete passenger terminal and carhouse. Cost between $150,000 and $200,000. J. R. Pratt, genl. mgr.

Md., Dundalk—(Baltimore P. O.)—Business—E. L. Palmer, Jr., archt., 513 North Charles St., Baltimore, receives bids about Mar. 1, building 2-story, 200 x 400 ft., rein.-con. and brick, brick and concrete foundation here, for Liberty Housing Co., 330 North Charles St., Baltimore. About $60,000.

D. C., Wash.—Terminal Station, etc.—Washington, Baltimore & Annapolis Electric Ry., 108 North Liberty St., Baltimore, Md., plans to build station on New York Ave., 12th, H and 11th Sts., here. Plans include waiting and baggage rooms, double tracks for "dead" cars and single track entering and leaving terminal. J. J. Doyle, Baltimore, Md., genl. mgr.

La., Baton Rouge—Y. M. C. A. receives bids about Feb. 20 constructing 2 story brick building. About $75,000. Shattuck & Hussey, 19 South La Salle St., Chicago, Ill., archts. Noted Aug. 8.

La., Shreveport—Church—Highland Ave. Baptist congregation plans to build, steel and rein.-con., brick facing, on Olive and Stephens Sts. Cost between $75,000 and $100,000. C. P. Roney, 1333 Jennings Ave., pastor.

Tenn., Chattanooga — Auditorium and School—City plans to build auditorium and school. About $600,000. J. M. Payne, secy. finance dept.

Tenn., Memphis—Auditorium—Shelby Co. and City plan to build auditorium here. About $1,000,000. T. C. Ashcroft, mayor.

Tenn., Memphis — Hospital — Methodist Hospital, Bank Commerce & Trade Bldg., soon receives bids building on Mallory Ave. About $500,000. Address T. B. King, secy.

O., Ironton—Store and Theater—F. L. Packard, archt., Hayden Bldg., Columbus, soon receives bids building store and moving picture theater for H. A. Marting, here. About $100,000.

O., Sandusky—Hotel—H. L. Stevens & Co., archts., 910 South Michigan Ave., receives bids in spring building 6-story, 75 x 130 ft. brick, concrete, steel and rein.-con., rein.-con. flooring, concrete foundation for D. Olmstead c/o architect. About $200,000. Noted Jan. 9.

Mich., Detroit—Club House—Fellowcraft Athletic Club, 1602 Woodward Ave., having plans prepared for club house near City Hall to include 200 bedrooms, assembly room, dining rooms, swimming pool and gymnasium. F. E. Holmes, pres.

Mich., Grand Rapids—Church—Fountain St. Baptist Church purchased site on Fulton St. and Lafayette Ave., and plans to build new church. Cost between $400,000 and $500,000.

Mich., Pilgrim—(Houghton P. O.)—Home—Good Will Farm Assn. plans to rebuild home recently destroyed by fire. About $50,000.

Ill., Chicago—Hotel and Baths—W. W. Ahlschlager, archt., 133 West Washington St., receives bids about Apr. 1, building 12-story, 80 x 170 ft. brick and rein.-con., rein.-con. flooring and concrete foundation at 410-416 Wabash Ave. for Kercher Hotel Co., 505 South Wabash Ave. About $1,200,000. Noted Jan. 9.

Ill., Chicago—Office and Stores—Marshall & Fox, 721 North Michigan Ave., soon receives bids building 3-story, 47 x 70 ft. at 700 North Michigan Ave. About $75,000. Noted Apr. 11.

Ill., Streator—Store and Office—D. C. Murray, 309 East Main St., soon receives bids building 5-story, 50 x 142 ft. brick and rein.-con., concrete foundation. About $175,000. G. C. Nimmons & Co., 120 South Michigan Ave., Chicago, archts.

Wis., Kenosha—Theater—Paccini Amusement Co. plans to build on Main and South Sts. About $200,000.

Wis., Kenosha—Theater—Paccini Amusement Co. plans to build 2 story on Elizabeth and Grove Sts. About $100,000.

Buildings (Continued)

Wis., La Crosse—Hotel—Linker Realty Co. soon receives bids building 4-story, 20 x 152 ft. addition on 4th St. between Main and Pearl Sts. About $50,000 Parkinson & Dockendorff, La Crosse, archts.

Wis., Marshfield—School—City soon lets contract building 2 story, 50 x 125 ft., rein.-con. and brick. About $60,000. Childs & Smith, 64 Van Buren St., Chicago, archts.

Wis., Milwaukee — School— Bd. Educ. soon receives bids building 2-story, 170 x 175 ft., rein.-con., brick and steel, concrete foundation, on Greenbush Ave. About $160,000. Van Ryn & De Gelleke, 114 Grand Ave., archts.

Wis., Milwaukee — School — Bd. Educ. receives bids in summer building 3-story, 95 x 200 ft., rein.-con., brick and steel, concrete foundation on Grand Ave. About $240,000. Van Ryn & De Gelleke, 114 Grand Ave., archts. Noted June 6 .

Ia., Dubuque—Dormitory—Perkins, Fellows & Hamilton, archts., 814 Tower Court, Chicago, preparing preliminary plans for 2-story, 50 x 100 ft. brick and timber. About $65,000. Owners name withheld.

Ia., Ft. Dodge—High School—City election Feb. 26, to vote on $650,000 bonds to build high school.

Minn., Chicago City — School — Consolidated School Dist. Bd. Educ. receives bids about Feb. 11, building 2 story, 60 x 100 ft., rein.-con. and brick. G. L. Lockhart, 391 Endicott Bldg., St. Paul, archt.

Minn., Duluth—Church—Second Presbyterian congregation plans to build 2 story, 75 x 120 ft., rein.-con., brick and steel, rein.-con. flooring, concrete and rock foundation, on 2nd St. About $75,000.

Minn., Minneapolis—Auditorium, etc.—Civic & Commercial Assn. will apply to State Legislature for authority to build auditorium and municipal building. About $3,500,000. W. F. Cappelin, city engr.

Minn., Minneapolis — Library — Library Bd. plans election to vote on $1,000,000 bonds to build. W. F. Cappelin, city engr.

Minn., Minneapolis—Market—City voted $2,500,000 bonds to build. W. F. Cappelin, city engr.

Minn., Minneapolis—School—Bd. Educ. plans election to vote on $4,750,000 bonds to build schools. W. F. Cappelin, city engr.

Minn., St. Paul — Hospital — Northern Pacific Mutual Benefit Assn., 203 R. R. Bldg., receives bids in March building 4-story, brick hospital and power plant. Simpson and Edmund Sts. About $300,000. L. Bassindale, 321 Capital Bank Bldg., archt.

Kan., Dodge City—Auditorium—City election Apr. 1, to vote on $90,000 bonds to build auditorium.

Kan., Emporia—School—State plans to build normal school here, brick, steel and concrete. About $85,000. R. L. Gamble, Topeka, state archt.

Kan., Lansing—Home—State plans to build women's detention home here, brick, steel and concrete. About $100,000. R. L. Gamble, Topeka, state archt.

Kan., Larned—Hospital—State plans to build brick, steel and concrete hospital here. About $125,000. R. L. Gamble, Topeka, state archt.

Kan., Lawrence—University—State plans to build brick, stone and steel university here. About $200,000. R. L. Gamble, Topeka, state archt.

Kan., Manhattan—College—State plans to build agricultural college here, brick, concrete and steel. About $165,000. R. L. Gamble, Topeka, state archt.

Kan., Norton—Hospital—State plans to construct farme buildings, concrete foundation also 1 brick building for State Hospital here. About $150,000. R. L. Gamble, Topeka, state archt.

Kan., Quindaro (Kansas City P. O.)—University—State plans to build Western University here, brick, steel and concrete. About $85,000. R. L. Gamble, Topeka, state archt.

Kan., Rosedale—School—State plans to build medical school here, brick, concrete and steel. About $125,000. R. L. Gamble, Topeka, state archt.

Kan., Topeka—Institute—State plans to build industrial and educational institution here, brick, concrete and steel. About $90,000. R. L. Gamble, state archt.

Kan., Topeka—School—State plans to build boys' industrial school here, brick, concrete and steel. About $90,000. R. L. Gamble, state archt.

Kan., Wichita — Academy — Sisters of Blessed Virgin plan to build addition to Mt. Carmel Academy at 4000 West Douglas St. About $150,000.

Neb., Beatrice—Institution—State Legislature, Lincoln, petitioned to appropriate $75,000 to build and equip dining room, bakery, refrigerating and vegetable rooms also $15,000 for addition to hospital.

Neb., Lincoln—Hospital—State Legislature petitioned to appropriate $75,000 to construct and equip kitchen, dining room and dormitory for Hospital for Insane here.

Neb., Norfolk—Hospital—State Legislature, Lincoln, petitioned to appropriate $75,000 to build and equip kitchen, dining room and dormitory; $35,000 for addition to power house and smoke stack and $80,000 for chapel and assembly hall.

Mont., Lewistown — Auditorium — City plans to build. About $100,000. A. C. Birkland, city engr.

Mo., Columbia — Hospital — Boone Co. plans election to vote on $100,000 bonds to build county hospital here.

Mo., Florissant—Academy—Sisters of Loretto plan to rebuild Loretto Academy here, recently destroyed by fire. About $50,000. Address Mother General, Loretto, Ky.

Ark., Blytheville—Auditorium—Blytheville Auditorium Co., Chamber of Commerce, plans to build 75 x 140 ft. brick. About $50,000.

Ark., Little Rock—Temple—B'Nai Israel congregation, 5th St. and Bway., plans to build. About $100,000. Address H. Lasker, 707 West Capitol Ave.

Tex., Ft. Worth—Bank—Ft. Worth Natl. Bank, 514 Main St., plans to remodel and enlarge bank. About $75,000.

Tex., Houston — School — City having plans prepared by M. J. Sullivan, archt., 207 City Hall, building Houston Heights School, at Blvd. and 20th St., 3 story, 65 x 200 ft., rein. con., brick and stone, rein. con. flooring. About $100,000.

Tex., Seminole — Courthouse — Comrs. Gaines Co. plan to build. About $75,000.

Okla., McAlester—School—City election Feb. 11, to vote on $250,000 bonds to build school. W. G. Masterson, supt.

Okla., Pauls Valley—High School—Bd. Educ. having plans prepared by J. Hicks, archt., 19½ West Main St., Oklahoma, building 2-story, 72 x 112 ft., rein.-con. and brick. About $55,000. Noted Dec. 27.

Colo., Denver—Hospital—St. Luke's Hospital Assn., East 19th and Pearl Sts., plans to build addition to hospital. Cost between $50,000 and $75,000.

Colo., Edgewater—Sanitarium—Evangelical Lutheran Sanitarium Assn., Arvada St., soon receives bids building 3 story brick and rein.-con. sanitarium on West 38th Ave. About $150,000. W. N. Bowman, 916 Central Savings Bank Bldg., archt.

Idaho, Lewiston—Administration—State Legislature, Boise, appropriated $150,000 to reconstruct administration building at State School here.

Wash., Seattle—Church—First Christian congregation having plans prepared by R. O. Orr, archt., 1301 Van Nuys Bldg., Los Angeles, Cal., building on Harvard Ave. and Spring St. About $100,000.

Ore., Portland—Hospital—Comrs. Multnomah Co., plan to build county hospital on grounds of Oregon Medical College. About $200,000.

Cal., Bakersfield—Hotel—F. W. Tegeler and associates plan to build 6 story brick or concrete. About $500,000.

Cal., Bakersfield—Lodge—B. P. O. E. No. 266, purchased site and having plans prepared for lodge, probably brick. Cost between $100,000 and $150,000.

Cal., Glendale—Church and School Group—Holy Family congregation considering preliminary plans for group of buildings consisting of church, school, parish house, guild hall, etc., larger buildings of brick, others of frame construction, rein.-con. flooring, concrete foundation, Louise St. and Lomita Ave. About $100,000. H. M. Doll, South Louise St., member bldg. com.

Cal., Santa Barbara—Courthouse—Bd. Supervs. Santa Barbara Co. plans to issue $500,000 bonds to build courthouse.

Cal., Taft—Hotel—W. L. Adkisson and associates plan to build 4 story, 75 x 125 ft., brick or concrete on Center St. About $60,000.

Ont., London—School—St. Peter's Cathedral having plans prepared for building school for junior boys. About $100,000. M. F. Fallon, pastor.

Ont., Ottawa—Hospital—Bd. Control recommended that City Council authorize $100,000 debentures to build extension to Royal Ottawa Sanatorium on Carling Ave. A. F. McCallum, City Hall, city engr.

Ont., Ottawa—Hospital—Salvation Army, 20 Albert St., Toronto, receives bids in spring building hospital here on Wellington St. A. Millar, 20 Albert St., Toronto, archt. About $55,000. Noted Dec. 19.

Ont., Toronto—Clubhouse—Y. M. H. A. plans campaign to raise $300,000 to construct here. L. Frankel, 504 Jarvis St., and L. Gelberg, 153 McCaul St., interested.

Sask., Saskatoon — School — Provincial Government having plans prepared for normal school on University campus to be known as Teachers' College. About $300,000. Noted Nov. 28.

BIDS DESIRED

N. Y., Malone—Armory—Until Feb. 14, by J. A. Coffey, secy. state bd. armory comrs., 158 State St., Albany, building addition to state armory; advertised in this issue.

N. Y., New York—Schools—Until Feb. 17, by C. B. J. Snyder, archt., bd. educ. Municipal Bldg., building P. S. 6, 5 story, 60 x 142 ft., brick and steel, concrete foundation, Tremont and Bryant Aves., Bronx, cost, $200,000; P. S. 57, 5 story, 118 x 192 ft., steel and brick, concrete foundation, Crotona Ave. and 181st St., Bronx, $543,474. Noted Jan. 23.

N. J., Newark—Restaurant and Dance Hall—Until Apr. 15, by N. Myers, archt., 7 Nelson Pl., remodeling existing building, and constructing 1 story, 25 x 95 ft., rein.-con., and steel addition rein.-con. flooring, 187 Market St., for Hong Kong Investment Co., care of Feist & Feist, 238 Broad St. About $60,000.

Mich., Detroit—School—Until Feb. 13, (change of date) by Bd. Educ., 50 Bway., building 2-story, 102 x 223 ft. brick, steel and rein.-con., rein.-con. flooring and concrete foundation on Emerson Ave. south of Jefferson Ave. About $275,000. Malcolmson & Higginbotham, 404 Moffat Bldg., archts. Noted Jan. 16.

Ill., Chicago—Library—Holabird & Roche, archts., 104 South Michigan Ave., receiving bids for constructing John Crerar Library, Michigan Ave. and Randolph St., to be 13-story, 81 x 127 ft. library and office building, steel and tile arch construction, concrete caisson foundation (alternative), flat slab concrete flooring; also 5-story, 81 x 81 ft. library and office building (ultimately 13-stories), same construction and alternative as above. Estimated cost, former, $1,000,000; latter, $500,000. Address John Crerar Library Bd., Marshall Field Bldg.

Mich., Newaygo—Court—Until Apr. 10, by Newaygo Co. Bldg. Com., for 2 story, 64 x 93 ft. brick, rein.-con. and steel, concrete foundation. About $50,000. J. G. Petersen, Traverse City, archt.

Ia., Waterloo—School—Until Feb. 19, by Bd. Educ. building 3 story, 55 x 125 ft., rein.-con. and brick. About $80,000. J. G. Ralston, L. and J. Bank Bldg., archt. Noted Jan. 30.

Minn., Duluth—Club House—Until Mar. 1, by M. N. Willis, archt., Wolvin Bldg., building 2 story, 100 x 140 ft., brick and steel, rein.-con. flooring, concrete and rock foundation, on East Superior St. for Northland Country Club. About $75,000.

Neb., Barnestown—High School—Until Feb. 10, by Bd. Educ., building 2 story, 75 x 124 ft., brick and stone. About $50,000. F. Malicky, secy. Noted Sept. 26.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Conn., Hartford**—Hotels—Johnson & Webster Co., 327 Trumbull St., will build two 6-story, 40 x 126 ft. brick apartment hotels, rein.-con. flooring and concrete foundation, on Washington and Park Sts. Work will be done by day labor. About $160,000.

Buildings (Continued)

★**N. Y., New York**—Bank—Franklin Trust Co., 46 Wall St., let contract altering 1-story brick and steel, Madison Ave. and 40th St., to C. T. Willis, Inc., 286 5th Ave. About $75,000.

★**N. Y., New York**—College—New York Academy of Medicine, 17 West 43rd St., let contract building 6 story, 25 x 100 ft., brick addition, concrete foundation, 15 West 43rd St., to M. Eidlitz, 30 East 42nd St. About $175,000; cost plus percentage.

★**Pa., Wilson**—Homes—Carnegie Steel Co., Carnegie Bldg., Pittsburgh, let contract building 20 superintendent's homes here, to Mellon Stuart Co., Oliver Bldg., Pittsburgh. About $160,000.

★**Ill., Aurora**—Bank—Second Natl. Bank let contract building 5-story, brick and steel, concrete foundation, to Hoggson Bros., 485 5th Ave., New York City. About $100,000.

★**Wis., Kenosha**—School—Bd. Educ. let contract building 2-story, 140 x 180 ft. brick and timber, brick foundation, to Madsen & Peterson, 802 Plymouth Bldg., Minneapolis, Minn. About $200,000. Noted Jan. 30.

★**Neb., Eagle**—School—Bd. Educ. let contract building 1-story, 120 x 120 ft. for Dist. No. 104, to H. Ohlsen & Son, David City, $75,191. Noted Jan. 16.

★**Tex., College Station**—Administration, etc. Agricultural & Mechanical College of Texas let contract building 60 x 100 ft. administration building and 65 x 130 ft. physics building, rein.-con. and brick, to J. E. Johnson, Waco, $90,000 and $70,000 respectively. Noted Jan. 2.

★**Okla., Heavener**—School—Bd. Educ. let contract building 1-story, 50 x 225 ft., brick and stone, to Green Constr. Co., Miami. About $50,000. Noted Sept. 26.

★**Okla., Okmulgee**—Office—N. M. Kimbley let contract building 6-story, 50 x 100 ft. rein.-con., brick and stone, to E. L. Winn Constr. Co., 105 Exch. Bldg., Kansas City, Mo. About $130,000 Noted Dec. 12.

★**Ariz., Ajo**—School—Bd. Educ. let contract building 2 story, here, to Edwards & Wildey, Black Bldg., Los Angeles, Cal., $113,315. Noted Jan. 23.

★**Cal., Los Angeles**—School—Bd. Educ., 730 Security Bldg., let contract building 2 story, 125 x 160 ft., hollow tile, concrete foundation, on Soto St., to C. Karseboom, 1445 Dana St., $53,890. Noted Jan. 30.

★**Ont., Toronto**—Hospital—Dept. Pub. Wks., Ottawa, let contract building officers' hospital in connection with Military Orthopedic Hospital, here, to Dickie Constr. Co., Ryrie Bldg., cost $58,112. Noted Dec. 26.

★**Alta., Ponoka**—Hospital—Dept. Pub. Wks., Ottawa, Ont., let contract building hospital here, to T. Jamieson & McKenzie, Calgary. About $144,000.

Federal Government Work

PROPOSED WORK

Mass., Wakefield—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., plans to build 2 story. About $100,000.

R. I., Newport—Boat House—Bureau Yards & Docks, Navy Dept., Wash., D.C., plans to build; Spec. 3786. About $83,000.

N. Y., Ft. Lafayette—Dredging—Bureau Yards & Docks, Navy Dept., Wash., D. C., received no bids Feb. 3, dredging here; Spec. 3579. Noted Jan. 16.

N. J. Hoboken—Warehouse—Constr. Div., War Dept., Wash., D. C. plans to build wooden warehouse. About $66,000.

Pa., Parkview Sta.—Altering Hospital—Constr. Div., War Dept., Wash., D. C., plans to alter attic of General Hospital No. 24 and install heating and lighting systems in attic of middle building. About $10,250.

Pa., Phila.—Barracks, Mess Hall, etc.—Constr. Div., War Dept., Wash., D. C., plans to build seven 1 story barrack buildings, mess hall, lavatory building, all frame construction. About $20,000.

Pa., Phila.—Forced Induced Draft Fans—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to install here; Spec. 3793. About $35,000.

Md., Indianhead—Incinerator—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build; Spec. 3790. About $7000.

D. C., Wash.—River and Harbor Improvements—Congress approved appropriations for river and harbor improvements as follows: $29,720 for Pawtucket, R. I.; $88,000 for Hackensack River, N. J.; $550,000 for passes in Mississippi River; $975,000 for ship channel, Houston, Tex.; $30,000 for Chicago and Calumet Rivers, Illinois; $61,000 for St. Joseph, Saugatuck and other Michigan projects; $155,000 for Sacramento, Feather and San Joaquin Rivers, Cal.; $47,000 for Coos Bay Ore.; $41,000 for Columbia River; $27,000 for Willamette River; $33,000 for Anacortes Harbor; $125,000 for Hilo, Hawaii Harbor; $100,000 for additional surveys as follows: Miami and Erie Canal, Ohio, and other routes between Lake Erie and Ohio River with view of obtaining 12 ft. channel; Morro Bay, Cal., including entrance channel; also Yaquina River, Ore., from Newport to Toledo.

Va., Alexandria—Cranes—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to install 6 additional cranes here. Spec. 3794. About $10,800.

Va., Hampton Roads—Grandstand and Bleachers—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build here; Spec. 3795. About $64,500.

Va., Newport News—Sewage Disposal Plant—Constr. Div., War Dept., Wash., D. C., plans to build sewage disposal plant including installation of septic tank, etc., at Camp Alexander. About $20,000.

Va., Norfolk—Forced Induced Draft Fans—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to install here; Spec. 3793. About $35,900.

Ga., Brunswick—Additional Buildings—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build here; Spec. 3792. About $75,000.

Fla., Pensacola—Electrical Equipment—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to install; Spec. 3785. About $30,000.

La., New Orleans—Paint Shop and Storage Building—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build; Spec. 3784. Bids will be received at local Navy Yard.

O., Fremont—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., rejected all bids received Jan. 7, same being in excess of appropriation. Noted Jan. 16.

Tex., Ft. Sam Houston—Road Work—Constr. Div., War Dept., Wash., D. C., plans to pave, curb and grade roads. About $14,000.

Ariz., Nogales—Laundry—Constr. Div., War Dept., Wash., D. C., plans to build at Camp S. D. Little. About $37,500.

Cal., Mare Island—Structural Shop—Bureau Yards & Docks, Navy Dept., Wash., D. C., soon receives bids building steel and terra cotta structural shop, concrete or wood pile foundation; Spec. 3691. About $1,450,000. Noted Nov. 28.

Cal., San Diego—Flood Lighting System—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to install in fuel depot; Spec. 3787. About $3000. Bids will be received at local Navy Yard.

Cal., San Diego—Gasoline Storage and Supply System—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build; Spec., 3791. About $12,000.

BIDS DESIRED

Mass., Chatham—Dredging—Until Feb. 24, by Bureau Yards & Docks, Navy Dept., Wash., D. C., dredging at Naval Air Sta. here; Spec. 3774. About $40,000; $10 deposit required for plans and spec. Noted Jan. 23.

N. Y., New York—Electric Elevator—Until Feb. 17, by Bureau Yards & Docks, Navy Dept., Wash., D. C., installing in light machine and electric shop here. Spec. 3731. About $30,000; $10 deposit required for plans and spec.

N. Y., New York—Piping and Equipment—Until Feb. 24, by Bureau Yards & Docks, Navy Dept., Wash., D. C., installing in power house here; Spec. 3759. About $70,000; $10 deposit required for plans and spec. Noted Jan. 16.

N. Y., Rockaway—Addition to Dispensary—Until Feb. 24, by Bureau Yards & Docks, Navy Dept., Wash., D. C.; Spec. 3780. About $25,000; $10 deposit required for plans and spec. Noted Jan. 30.

N. Y., Walden—Post Office—Until Mar. 3, by J. A. Wetmore, superv. archt., treas. dept., Wash., D. C.

Pa., Phila.—Crane Runway—Until Feb. 17, by Bureau Yards & Docks, Navy Dept., Wash., D. C., building addition to crane runway at shipbuilding slips 2 and 3; Spec. 3769. About $125,000; $10 deposit required for plans and spec. Noted Jan. 23.

Md., Indianhead—Small Boat Basin, etc.—Until Feb. 10, (change of date) by Bureau Yards & Docks, Navy Dept., Wash., D. C., building small boat basin and bulkhead, involving timber piping, sheet piling and concrete work, etc.; Spec. 3776. About $42,000. Noted Jan. 30.

D. C., Wash.—Laboratory—Until Feb. 15, by U. S. Constr. Quartermaster, War College, Wash. Barracks, building photographic laboratory at Army War College. This item incorrectly noted in our issue of Jan. 23.

Va., Norfolk—Dredging—Until Feb. 21, by U. S. Eng. Office, Custom House, Norfolk, dredging inland Waterway from here to Beaufort Inlet, N. C.; advertised in this issue.

W. Va., Charleston—Fence—Until Feb. 10, by Bureau Yards & Docks, Navy Dept., Wash., D. C., building here; Spec. 3789. About $25,000; $10 deposit required for plans and spec.

O., Cincinnati—Lock—Until Mar. 29; by U. S. Eng. Office, Customhouse, Cincinnati, building lock and abutment for Dam No. 30, Ohio River, near Greenup, Ky.

Mont., Great Falls—Roads—Until Feb. 15, by Dist. Engr., Bureau Pub. Rds., U. S. Dept. of Agriculture, 413 Montana Bldg., Missoula, building 18.9 mi. Belt Creek Natl. Forest Rd., Cascade Co., involving 79,000 cu.yd. earth excavs. 10,000 cu.yd. rock excav., 30 acres clearing and grubbing, also building ten 8-40 ft. span bridges, etc. L. I. Hewes, 202 Bway.-Yamhill Bldg., Portland, Ore., dist. engr.

Mont., White Sulphur Springs—Roads—Until Feb. 15, by Dist. Eng., Bureau Pub. Rds., U. S. Dept. of Agriculture, 413 Montana Bldg., Missoula, building Sect. 1 Sheep Creek Natl. Forest Rd., 5 mi. long, involving 350,000 cu.yd. earth excav., 1600 cu.yd. rock excav., 18 acres clearing and grubbing. Sect. 2, 5.3 mi. long, involving 28,000 cu.yd. earth excav., 1000 cu.yd. rock excav., 1 log truss bridge, 10 acres clearing and grubbing, etc. L. I. Hewes, 202 Bway.-Yamhill Bldg., Portland, Ore., dist. engr.

Tex., North Ft. Worth—Wells and Pumps—Until Feb. 24, by Bureau Yards & Docks, Navy Dept., Wash., D. C., installing here; Spec. 3577. About $35,000; $10 deposit required for plans and spec. Noted Jan. 30.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Mass., Chelsea—Kitchen Equipment—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Feb. 3, installing in U. S. Naval Hospital Reservation, (1) price and time, (work complete), (2) price and time, (work complete), omitting all refrigerators, (3) price and time, for all refrigerators, exclusive of all other equipment, from Morandi Proctor Co., 86 Washington St., Boston, (1) $5464 (50 days); (2) $4484; (3) $980; Rod Iron Range Co., 6 Portland St., (1) $5636 (60 days); (2) $4586 (60 days); (3) $1050; L. Barth & Son, 32 Cooper Sq., New York City, (1) $6085 (30 days); (2) $4419; (3) $1666. Noted Jan. 16.

★**N. Y., Owego**—Post Office—J. A. Wetmore, superv. archt., Treas. Dept., Wash., D. C., let contract, to A. E. Badgley, Stone Opera House, Binghamton, $49,787 (12 months). Noted Jan. 23.

Pa., Phila.—Emergency Hospital—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Feb. 3, building addition to emergency hospital at U. S. Naval Hospital Reservation, Grays Ferry Rd., (1) net price and time for entire work, complete, in accordance with drawings and specification, (including all service lines as specified) but not including building for garage, stable and chauffeurs' quarters, greenhouse, and shed as specified under "Carpentry," (2) net price and time for work complete as outlined under (1) based on using slate for roofing as specified under alternative A, in lieu of roofing specified, (3) amount and time deducted from net price and time under (1) in accordance with drawings and specifications if nurses' quarters be omitted, (4) amount and time deducted from net price under (2) if nurses' quarters be omitted, based on using slate for roofing as outlined in (2), (5) amount and time deducted from net price under (1) in accordance with drawings and specifications, if officers' quarters be omitted, (6) amount

Federal Government Work (Continued)

and time deducted from net price and time under (2) if officers' quarters be omitted, based on using slate for roofing as outlined in (2), (7) amount and time added to net price and time under (1) if building for garage, stable and chauffeurs' quarters be included, (8) amount and time added to net price and time under (1) if greenhouse, demolition of present greenhouse, and construction of shed as specified under "Carpentry" be included, from

Dawson Constr. Co. 810 Union Trust Bldg., Wash., D. C., (1) $227,120, (120 days); (2) $232,120, (120 days); (3) $86,000, (15 days); (4) $87,500, (15 days); (5) $42,000, (10 days); (6) $42,600, (10 days); (7) $27,250, (8) $20,800, (10 days).

Mellody & Keating, 1322 Race St., Phila., Pa., (1) $243,062, (135 days); (2) $248,862, (135 days); (3) $98,810; (4) $100,610; (5) $46,159; (6) $47,009; (7) $29,849; (8) $22,595, (5 days).

F. W. Mark Constr. Co., 1701 Finance Bldg., Phila. Pa., (1) $254,900, (150 days); (2) $260,500; (3) $96,900, (10 days); (4) $98,600, (10 days); (5) $47,000, (10 days); (6) $47,700, (10 days); (7) $28,450, (120 days); (8) $17,260, (120 days). Noted Jan. 23.

Pa., Philadelphia—Water Tower, Pump, Tank House, etc.—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Feb. 3, building water towers, pump and tank house and installing equipment, at U. S. Naval Hospital, Grays Ferry Rd., (1) price and time, (work complete), (2) price and time to be added to (1) if slate is used instead of ready to lay roofing, from M. H. McClosky, Jr., 1620 Thompson St., (1) $15,292 (90 days), (2) $275; Melody & Keating, 1322 Race St., (1) $16,373 (90 days), (2) $245; W. Steel & Sons Co., 1600 Arch St., (1) $17,561 (90 days), (2) $325. Noted Jan. 16.

★**Pa., Sunbury**—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., let contract to A. E. Badgley, Stone Opera House, Binghamton, N. Y., $85,367 (16 months) Noted Jan. 23.

D. C., Anacostia—Heating Hangar—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Jan. 27, heating hangar at Naval Air Sta., (work complete) from L. E. Breuninger, Colorado Bldg., $10,625 (75 days); S. A. Gregory, 1349 Kenyon St., $10,977 (90 days); J. E. Granbery, $10,984; all contractors of Wash. Noted Jan. 16.

D. C., Wash.—Mechanical Equipment—J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., received bids installing equipment in hygienic laboratory here, from J. E. Granbury, Wash., $54,984; Standard Eng. Co., 2129 I St., N. W., $64,500. Noted Jan. 2.

★**Ga., West Point**—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., let contract, to A. Blair, 11 South Lawrence St., Montgomery, Ala., $52,900. Noted Jan. 16.

Fla., Key West—Dredging—U. S. Eng. Office, Jacksonville, received bids Jan. 28, dredging in Key West Harbor, involving 174,926 cu.yd. dredging, from Bowers Southern Dredging Co., 16th St. and River, Miami, $1.38 per cu.yd.; M. J. Dady Eng. & Contg. Co., 350 Fulton St., Brooklyn, N. Y., $2.60 per cu.yd.; P. S. Ross, Inc., 277 Washington St., Jersey City, N. J.; $4.15 per cu.yd. Noted Jan. 2.

★**Fla., Pensacola**—Extension to Steam Line—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract installing steam line in barracks and mess hall, to C. A. Born, 25 West Garden St., $14,889 (90 days). Noted Nov. 14.

Fla., Pensacola—Fence and Gates—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids building around ammunition depot, Naval Air Sta.,

(1) net price and time, work complete, in accordance with the drawings and specification.

(2) unit price per linear foot in addition or deduction for fence complete, with posts, rails, iron arms, wire fabric and barbed wire.

(3) unit price in addition or deduction for each 18 ft. gate, from

Cyclone Fence Co., 715 Woodward Bldg., Wash., D. C., (1) $7133.20, (120 days); (2) $2.20; (3) $108; alternate bid, (1) $6828.60, (120 days); (2) $2.05; (3) $108; alternate bid, (1) $6676; (2) $2; (3) $108.

Anchor Post Iron Wks., 165 Bway., New York City, (1) $7300; (2) $2, (120 days); (3) $1.35, (120 days); alternate bid. (1) $7037; (2) $2.09; (3) $135.

Wayne Iron Wks., 818 Commercial Bldg., Phila. (1) $8300, (150 days); (2) $2.50; (3) $140. Noted Jan. 16.

★**La., New Orleans**—Nurses' Quarters, etc.—J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., let contract building nurses' quarters and extension to and changes in mess hall and kitchen, to R. P. Farnsworth & Co., Owensboro, Ky., $19,800 (120 days); outside service connections and work in power house and laundry, to H. W. Bond & Bro., 1019 Constantinople St., $2200 (120 days).

★**Ind., Shelbyville**—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., let contract, to Dunlap & Co., Columbus, $57,198 (12 months). Noted Jan. 23.

★**Tex., Ft. Worth**—Gas Holder, etc.—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract building gas holder and installing C. O. 2 removal system, to Pittsburgh Des Moines Steel Co., 959 Munsey Bldg., Wash., D. C., $89,700 (150 days). Noted Jan. 30.

Tex., Galveston—Hangars, Pavement and Beach—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Feb. 3, building at Naval Air Sta., (1) net price and time for work complete in accordance with drawings and specification. (2) this item shall be omitted according to addendum No. 4. (3) net price and time to be added to or deducted from net price for work complete, as required in (1) using asbestos-covered metal for walls in lieu of asbestos shingles over sheathing. Asbestos covered metal will be as specified in paragraph 105, and will be secured direct to studs and girts. Under this item interior sheathing of walls will also be omitted except in offices and toilet. (4) net price to be added to or deducted from net price for work complete as required in (1) for each pile in excess of or less than number shown on drawing, based on length of 30 ft. from point to cutoff. (5) net price to be added to or deducted from net price for work complete as required in (1) and (4) for each linear foot of pile in excess of or less than length specified above, from

Dawson Constr. Co., 810 Union Trust Bldg., Wash., D. C., (1) $315,120, (120 days); (3) deduct $500; (4) add $13, deduct $8; (5) add $.50, deduct $.20.

Horton & Horton, McKinney St., Houston, (1) $327,150, (150 days); (3) $327,000; (4) $12; (5) $.40.

Paschen Bros., 111 West Washington St., Chicago, (1) $391,000, (150 days); (3) add $28,000, (150 days); (4) $15; (5) $.50. Noted Jan. 30.

★**Cal., San Francisco**—Extension to Wharf—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract building extension to wharf, to Healy Tibbits Constr. Co., Market and Main Sts., $18,938 (20 days). Noted Jan. 30.

Miscellaneous

PROPOSED WORK

Ferry Improvement — Boston, Mass.—State Legislature petitioned to appropriate $500,000 to improve East Boston ferry service, to include slips, approaches and city ferry boats.

River Improvement—Chelsea, Mass.—State Legislature petitioned to authorize Comn. Waterways & Pub. Lands to improve Mystic River from innavigable point through Chelsea Creek to sea, also establish river shipping and docking facilities on same. Cost to exceed $10,000.

Chimney—North Reading, Mass.—See "Buildings."

Dock—Quincy, Mass.—A. Whiton, mayor, appointed committee to investigate and report on feasibility of building Quincy dock. Cost between $50,000 and $200,000.

Wharves, etc.—New London, Conn.—City plans to sell $1,000,000 bonds to build wharves and dockage facilities for harbor here. G. K. Crandall, city engr.

Clearing Channel, Etc.—Albany, N. Y.—State Legislature, Albany, petitioned to appropriate $15,000 to clear channel and protect bank of Griffin creek, between junction of said creek with Old Genesee Valley canal and point 2000 ft. easterly up stream.

Pitch, Road Oil, etc.—New York, N. Y.—H. Bruckner, pres. Bronx Boro., rejected all bids received Jan. 16, furnishing and delivering 25 tons paving pitch, 800 tons limestone dust, etc., 10,000 gal. bituminous road surfacing material and 150,000 gal. tar road oil. Noted Jan. 9.

SEWERS—LONG ISLAND CITY, N. Y.

Bids were received by M. E. Connolly, president of Queens Boro., Jan. 15, constructing sewers and appurtenances in 80th St., from Liberty to Atlantic Aves., N. S.; Atlantic Ave. from 80th to 76th Sts.; 76th St. from Atlantic Ave. to Pratt Pl.; 93rd Ave. from 76th St. to Elderts Lane; Elderts Lane from 93rd to Jamaica Aves.; 78th St. from Atlantic Ave., N. S., to Jamaica Ave. and in Jamaica Ave. from Elderts Lane to the Crown, Brooklyn and Queens Boros., from (A) H. J. Mullen, Fulton St., Brooklyn; (B) U. S. Drainage & Irrigation Co., 17 Battery Pl., New York City; (C) J. Jennings Co., 3927 Ferris Ave., New York City. The unit bids were as follows:

	A	B	C
2,428 lin.ft. 7 ft. 3 in. reinforced concrete sewer	$35.00	$54.80	$75.00
871 lin.ft. 5-ft. reinforced concrete sewer	19.00	26.50	40.00
723 lin.ft. 4 ft. 6 in. reinforced concrete sewer	17.00	20.00	35.00
962 lin.ft. 4 ft. 3 in. reinforced concrete sewer	17.00	20.00	35.00
929 lin.ft. 4-ft. reinforced concrete sewer	17.00	18.00	30.00
809 lin.ft. 3 ft. 9 in. plain concrete sewer	18.00	18.00	25.00
564 lin.ft. 3 ft. plain concrete sewer	13.00	15.00	15.00
874 lin.ft. 18-in. vitrified pipe sewer	4.10	6.00	4.23
243 lin.ft. 15-in. vitrified pipe sewer	3.30	4.00	3.90
732 lin.ft. 12-in. vitrified pipe sewer	3.00	3.50	3.26
61 manholes, complete	100.00	125.00	2.25
57 basin manholes, complete	110.00	200.00	1.60
88 inlets, complete	60.00	135.00	80.00
1,570 lin.ft. 12-in. vitrified pipe basin connections	2.00	2.50	2.42
1,460 lin.ft. 10-in. vitrified pipe basin connections	2.00	2.30	1.15
489 six-inch spurs (24 in. long) on concrete sewers	1.00	.50	.65
2 eight-inch spurs (24 in. long) on concrete sewers	1.00	1.00	.65
64 six-inch spurs on 18-in. vitrified pipe sewers	3.50	6.00	.01
20 six-inch spurs on 15-in. vitrified pipe sewers	2.50	5.00	.01
56 six-inch. spurs on 12-in. vitrified pipe sewers	2.00	3.50	.01
3,696 lin.ft. 6-in. vitrified pipe house connection drains	1.00	1.50	2.75
32 lin.ft. 8-in. vitrified pipe house connection drains	1.00	2.00	2.91
1 junction chamber at Hudson St. and Beaufort Ave., complete (lump sum)	600.00	810.00	1,000.00
1 junction chamber at Rockaway Blvd. and Atlantic Ave. (north side), complete (lump sum)	2,500.00	4,000.00	3,000.00
1 junction chamber at Snediker Ave. and Atlantic Ave. (north side), complete (lump sum)	600.00	870.00	1,000.00
1 junction chamber at Lott Ave. and Atlantic Ave. (north side), complete (lump sum)	600.00	700.00	700.00
1 junction chamber at Lott Ave. and Pratt Pl., complete (lump sum)	600.00	800.00	800.00
1 junction chamber at Elderts Lane and Pratt Pl., complete (lump sum)	600.00	650.00	800.00
20 cu.yd. Class "A" concrete (exclusive of concrete shown on plan)	12.00	20.00	18.00
2,000 lb. reinforcement steel (exclusive of steel shown on plan)	.05	.10	.08
20,000 ft.b.m. timber for sheeting and bracing	.01	30.00	65.00
10 cu.yd. rock excavation	.01	12.00	.01
20,000 cu.yd. of displaced material for fill for sewer embankment	.01	.40	.50
1,500 cu.yd. excavation for sewer embankment	.01	.40	1.00
Extended totals	$209,068*	$293,630†	$314,757

* Type "A," Sewer Department Standard.
† Type "B." (Precast Type "B" on first 7 items).
‡ Bid on "A" and "B."

Bids were received by M. E. Connolly, president of Queens Boro., Jan. 15, constructing sewers and appurtenances in Woodland Ave. from Huntington St. to Beaufort Aves.; Beaufort Ave. from Boyd to Hatch Aves.; Walker Ave. from Beaufort to Woodhaven Aves., Woodhaven Ave. from Walker Ave. to Fulton St., 4th Ward, Queens Boro., from (A) A. Paino, 2622 Bath Ave., Brooklyn; (B) Ajax Drainage Contg. Corp., 60 Herkimer St., Brooklyn; (C) E. W. Fitzpatrick, 244 Jackson Ave. The unit bids were as follows:

	A	B	C
1,151 lin.ft. 6 ft. 3 in. reinforced concrete sewer	$50.00	$48.00	$53.45
1,017 lin.ft. 5 ft. 9 in. reinforced concrete sewer	40.00	50.00	43.10
1630 lin.ft. 5 ft. 3 in. reinforced concrete sewer	40.00	40.00	47.50
427 lin.ft. 2 ft. 3 in. plain concrete sewer	10.00	10.00	9.10
791 lin.ft. 12-in. vitrified pipe sewer	4.00	3.50	4.45
39 manholes, complete	100.00	90.00	90.00
45 basin manholes, complete	100.00	125.00	110.00
63 inlets, complete	72.00	40.00	75.00
1,125 lin.ft. 12-in. vitrified pipe basin connections	.01	1.50	3.00
945 lin.ft. 10-in. vitrified pipe basin connections	.01	.75	2.00
233 6-in. spurs (24-in. long) on concrete sewers	.01	.50	.50
58 6-in. spurs on 12-in. vitrified pipe sewers	.01	1.50	2.00
2 8-in. spurs (24 in. long) on concrete sewers	.01	.50	3.00
2,290 lin.ft. 6-in. vitrified pipe house connection drains	1.00	1.50	1.50
32 lin.ft. 8-in. vitrified pipe house connection drains	1.00	1.50	2.00
30 vertical feet risers for house connection drains	5.00	3.00	2.00
1 junction chamber at Woodland and Beaufort Aves. (lump sum)	1,000.00	1,200.00	1,100.00
1 junction chamber at Beaufort and Walker Aves. (lump sum)	1,000.00	1,100.00	900.00
10 cu.yd. Class "A" concrete (exclusive of concrete shown on plan)	.01	15.00	16.00
500 lb. reinforcing steel (exclusive of steel shown on plan)	.01	.10	.08
5,000 ft.b.m. timber for sheeting and bracing	100.00	80.00	80.00
10 cu.yd. rock excavation	.01	.01	.01
Extended totals	$188,800*	$199,065†	$212,098‡

* Type "A," Sewer Department Standard.
† Type "B" (Precast Type "B" on first four items).
‡ Bid on "A" and "B".

Bids were received by M. E. Connolly, president of Queens Boro., Jan. 15, constructing sewers and appurtenances in Hobson Ave. from Newtown Creek to Halle Ave.; Hobson Ave. from Halle to Jones Aves.; Jones Ave. from Clinton Ave. to Laurel Hill Blvd.; Laurel Hill Blvd. from Jones to Borden Aves.; Montgomery Ave. from Columbine to Jones Aves.; Congress Ave. from Laurel Hill Blvd. to Montgomery Ave.; Townsend Ave. from Laurel Hill Blvd. to Hobson Aves.; Waters Ave. from Hobson to Clifton Aves.; Joy Ave. from Montgomery to Clifton Aves.; Columbine Ave. from Hobson to Clifton Aves.; Clifton Ave. from Water to Columbine Aves. with temporary connection to sewer in Columbine Ave., 2nd Ward, Queens Boro., from (A) Green Contg. Co., 734 Verona Ave., Flushing, (awarded contract); (B) F. L. Paino, 67 Bay 47th St., Brooklyn; (C) Peace Bros., 20 Main St., Flushing. The unit bids were as follows:

	A	B	C
855 lin.ft. 5 ft. 6 in. reinforced concrete sewer	$66.00	$80.00	$80.00
1,566 lin.ft. 3 ft. 9 in. plain concrete sewer	26.00	35.00	33.00
1,097 lin.ft. 3 ft. 3 in. plain concrete sewer	21.00	29.00	30.00
396 lin.ft. 18-in. vitrified pipe sewer	5.90	8.00	7.00
1,533 lin.ft. 15-in. vitrified pipe sewer	5.00	6.00	5.50
2,440 lin.ft. 12-in. vitrified pipe sewer	4.50	5.00	4.50
56 manholes, complete	150.00	100.00	125.00
35 basin manholes, complete	130.00	100.00	125.00
46 inlets, complete	60.00	50.00	75.00
960 lin.ft. 12-in. vitrified pipe basin connections	2.00	2.00	4.00
710 lin.ft. 10-in. vitrified pipe basin connections	1.50	2.00	2.00
100 six-inch spurs (24 in. long) on concrete sewers	2.00	1.00	1.00
17 six-inch spurs on 18-in. vitrified pipe sewers	2.40	10.00	3.00
81 six-inch spurs on 15-in. vitrified pipe sewers	1.75	10.00	2.00
158 six-inch spurs on 12-in. vitrified pipe sewers	1.20	10.00	2.00
1,854 lin.ft. 6-in. vitrified pipe house connection drains	1.10	2.00	1.75
110 vertical feet risers for house connections	1.00	2.00	2.00
1 drop chamber at Hobson and Halle Aves. (lump sum)	2,500.00	2,000.00	3,000.00
1 drop chamber at Hobson and Cassel Aves (lump sum)	2,500.00	2,000.00	1,500.00
1 drop chamber at Hobson and Columbine Aves. (lump sum)	2,500.00	2,000.00	1,810.00
1 junction chamber at Hobson and Jones Aves. (lump sum)	600.00	2,000.00	1,300.00
1 chamber at Laurel Hill Blvd. and Jones Ave. (lump sum)	600.00	1,000.00	700.00
1 chamber at Laurel Hill Blvd. north of Congress Ave. (lump sum)	600.00	1,000.00	800.00
15,400 lin.ft. piles	.30	.15	.50
17,000 ft.b.m. timber for foundation	70.00	60.00	60.00
2,100 lb. structural steel (bolts, nuts, washers, etc.)	.20	.10	.10
25 cu.yd. Class "A" concrete (exclusive of concrete shown on plan)	11.00	18.00	18.00
1,000 lb. reinforcement steel (exclusive of steel shown on plan)	.09	.10	.10
50,000 ft.b.m. timber for sheeting and bracing	55.00	60.00	60.00
10 cu.yd. rock excavation	12.00	15.00	15.00
Extended totals	$181,896*	$218,757†	$220,930‡

* Type "A," Sewer Department Standard.
† Type "B" (Precast Type "B" on first 3 items).
‡ Bid on "A" and "B."

Stadium—New York, N. Y.—Dept. Parks, Bronx Boro., had plans prepared by A. G. Waldreaon, archt., building reinforced-concrete stadium on 241st St. and Bway., Bronx Boro. About $1,000,000.

Creek Improvement—Watkins, N. Y.—State Legislature, Albany, petitioned to appropriate $15,000 to improve channel and banks of Glen or Mill Creek here.

Tanks—Baltimore, Md.—(Canton) Standard Oil Co., Pier 2, Pratt St., having plans prepared building 3 or more oil storage tanks here. Cost between $75,000 and $100,000. T. Goodwillie, genl. mgr.

Dock and Warehouse—Fayetteville, N. C.—City receives bids in spring, building on Cape Fear River. About $75,000. J. A. Strange, city engr.

Floating Dry Dock—Green Bay, Wis.—C. Hartman, 114 South Oakland Ave., receives bids about Feb. 21, building rein.-con. floating dry dock for tugs and smaller vessels. About $400,000. F. Early, Chicago, engr.

Lakeshore Protection—Kenosha, Wis.—Comrs. Kenosha Co. (Kenosha) and Racine Co. (Racine) plan to build lakeshore protection. About $125,000. Work involves 4100 ft. breakwater, 2 rows tight piling with stone filling and 16 ft. piles. P. Hurtgen, Kenosha, engr.

Zoo, etc.—St. Louis, Mo.—Zoological Bd., Park Dept. plans to build concrete bear and wolf pits, animal hospital and bakery and bridge over Wells Drive in Forest Park. About $80,000. N. Cunliff, comr.

Pavilion—Denver, Colo.—Natl. Jewish Hospital Assn., East Colfax and Jackson Sts., plans to build pavilion for tubercular children, on East Colfax and Fox Sts. About $50,000. S. Simon, supt.

Harbor Improvements—Grays Harbor, Wash.—City of Aberdeen plans to improve Grays Harbor port facilities, both inner harbor and outer bar. Plans include dredging bar to provide 30-40 ft. of water, improvement of inner harbor, dredge for bar and inner harbor, and public dock. Grays Harbor Port Comn. has about $100,000 available for inner harbor improvements; Federal Government will appropriate $95,000 for bar improvement and $750,000 for dredge for outer harbor.

Stadium—Portland, Ore.—Oregon Stock Raisers having preliminary plans prepared by L. I. Thompson, archt., 91 North 10th St. About $250,000.

Pier—Vancouver, B. C.—Canadian Pacific Ry., Winnipeg, Man., having plans prepared for 100 ft. concrete pier here, 1000 ft. long and 300 ft. wide, with fill of approximately 500,000 cu.yd. About $1,500,000. J. G. Sullivan, ch. engr.

Harbor Improvements—Goderich, Ont.—Dominion Government, Ottawa, voted $50,000 bonds for improving harbor here.

Swimming Pools—Ottawa, Ont.—Bd. Control recommended that City Council engage architect to prepare plans and submit estimate of cost of building 2 swimming pools, one at King Edward Ave., and York St., and other at Plouffe Park. A. F. McCallum, City Hall, engr.

Subway—Regina, Sask.—City having plans prepared for building subway on Hamilton St. About $70,000.

Incinerator—Saskatoon, Sask.—City plans to build. About $30,000.

BIDS DESIRED

Asphalt, etc., Brooklyn, N. Y.—Until Feb. 11, by E. Riegelmann, boro. pres., furnishing and delivering 240,000 gal. refined asphalt in liquid form, 50 tons refined asphalt in containing packages, 50,000 asphalt paving blocks, 2½ in. deep, 40,000 grade 1 granite paving blocks, 40,000 wood paving blocks, 6000 bbl. Portland cement, 1500 tons limestone or other suitable inorganic dust, 10,000 sq.ft. bluestone flagging, 2 in. thick, 800 cu.yd. paving gravel, 250 tons paving pitch, 7000 cu.yd. asphalt sand, 4000 cu.yd. paving sand, 3000 cu.yd. binder stone, 3000 cu.yd. 1½ in. broken stone for concrete, etc.

Road Machinery—Alma, Wis.—Until Feb. 12, by city for 1 tractor, 15-30 hp., one 8 ft. grader, 2 horse graders, drag scraper, road drags and road plows.

Dam—Los Angeles, Cal—Until Feb. 19 (change of date) by Bd. Supervs., Los Angeles Co., building concrete masonry arch dam, 120 ft. high, northwest of Pasadena, involving 6000 yd. rock excav., 5000 yd. earth excav., 33,000 yd. concrete with stones embedded, 300 ft. concrete outlet tunnel, 120 ft. concrete spillway, concrete arches supporting roadway on top, etc. for county flood control districts. About $300,000. J. W. Reagan, ch. engr. Noted Jan. 9.

Crushed Rock—Visalia, Cal.—Until Feb. 21, by Bd. Supervs. Tulare Co., furnishing crushed rock for Springville Worth Rd.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★Electric Generating Capacity—Brooklyn, N. Y.—E. Riegelman, boro. pres., let contract reserving and furnishing electric generating capacity, etc., during year, to Edison Electric & Illuminating Co., Pearl St. About $47,400.

★Electric Generating Capacity—New York, N. Y.—F. L. Dowing, boro. pres., let contract reserving and furnishing electric generating capacity for use of high pressure fire service pumping station for year, to New York Edison Co., 130 East 15th St. About $48,600.

★Coal Bin, etc.—Buffalo, N. Y.—See "Industrial Works."

★Cement, Sand, etc.—New York, N. Y.—H. Bruckner, pres. Bronx Boro., let contract furnishing and delivering 750 tons asphaltic cement, to Warner Quinlan Asphalt Co., 79 Wall St., $1686; 9500 cu.yd. sand grits, to Amer. Bldg. & Material Co., Kingsbridge, $13,704; 2000 bags binder stone, to A. Tompkins, $4700; 2000 bags Portland cement, to J. A. McCarty & Bros., 551 Exterior St., $1750; 4500 cu. yd. ¾ in. broken trap rock stone and 2000 cu.yd. broken trap rock screenings, to New York Trap Rock Co., 101 Park Ave., $17,420; 250,000 gal. asphaltic road oil, to Atlantic Refinery Co., 3144 Passyunk Ave., Phila., Pa., $18,500. Noted Jan. 9.

Levees—Blythe, Cal.—Palo Verde Joint Levee Dist. let contract (1) building 4 mi. earth levee requiring dragline dredger equipment and involving about 180,000 cu.yd. dredging, to P. B. Engh, $.20 per cu.yd.; (2) similar work and same yardage as (1) 6 mi. southeast of here, to Palo Verde Mutual Water Co., $.20 per cu.yd.; (3) building cut-off canal across Palo Verde bend, 2½ mi. long, involving 40,000 cu.yd. dredging, requiring teams, fresnos and scrapers or dredger or excavator, to J. C. Donovan, 780 Lyon St., Los Angeles, $.55 per cu.yd.

★Foundation—Halifax, N. S.—Navy League of Canada let contract building foundation for home here, to Foundation Grading Co., 85 Almon St. About $13,000.

OFFICIAL PROPOSALS

OFFICIAL PROPOSALS

Bids: Feb. 18 & 19.

Canal Improvements

STATE OF NEW YORK
OFFICE OF SUPERINTENDENT OF PUBLIC WORKS

Albany, N. Y.

Sealed proposals will be received by the undersigned at his office in the Capitol at Albany, N. Y., until twelve o'clock noon of Tuesday, February 18, 1919, at which place and hour they will be publicly opened and read, for the improvement of the State canals as authorized by Chapter 147 of the Laws of 1903 and amendatory laws, and Chapter 391 of the Laws of 1909; and for the construction of Barge canal terminals pursuant to the provisions of Chapter 746 of the Laws of 1911, as follows:

TERMINAL CONTRACT NO. 57

For constructing certain parts of an approach from Court Street and South Avenue to the Barge canal terminal at Rochester.

Contract plans, sheets 1 to 10 inclusive.

TERMINAL CONTRACT NO. 69

For protecting the shore of Erie Basin between Lake Street and Slip No. 1, at Buffalo.

Contract plans, sheets 1 and 2.

TERMINAL CONTRACT NO. 107

For installing electric wiring, lighting, power and battery charging equipment for the canal terminal at Erie Basin, Buffalo.

Contract plans, sheets 1 to 10 inclusive.

TERMINAL CONTRACT NO. 223

For constructing a Barge canal terminal freight-shed at Greenpoint, Brooklyn, New York City.

Contract plans, sheets 1 to 11 inclusive.

And until twelve o'clock noon of Wednesday, February 19, 1919, for the following pieces of work:

CONTRACT NO. 200

Erie Canal—Sections 9 and 10

For driving steel sheet piling, placing concrete lining and incidental work between Rochester and Lockport.

Sheets 1 to 5 inclusive.

CONTRACT NO. 201

Erie Canal—Section 9

For completing the concrete prism lining at Cartersville and constructing a stream entrance near Knapp's bridge.

Sheets 1 to 3 inclusive.

CONTRACT Q

Cayuga and Seneca Canal—Section 1

For constructing pile dolphins for aids to navigation on Cayuga and Seneca lakes.

Sheets 1 to 5 inclusive.

Plans may be seen and detailed specifications, engineer's estimate of quantities, proposal blanks, form of contract and bonds required and other information for proposers may be had at the office of the Superintendent of Public Works at Albany, N. Y., at the office of the Assistant Superintendent of Public Works for the Middle Division at Syracuse, N. Y., at the office of the Assistant Superintendent of Public Works for the Western Division at Rochester, N. Y., at the canal office, Spaulding's Exchange, Buffalo, N. Y., and at the office of the State Engineer and Surveyor.

Copies of detailed plans or drawings may be obtained from the State Engineer and Surveyor at Albany, N. Y., upon payment to him of the cost of producing them.

Monthly estimates will be paid of ninety per centum (90%) of the work done at the contract price. Every proposal for said work must be accompanied by a money deposit in the form of a draft or certified check upon some good banking institution in the city of Albany or New York, issued by a national or state bank (or trust company in the case of terminal contract) in good credit within the state and payable at sight to the Superintendent of Public Works for five per centum (5%) of the amount of the proposal.

The person whose proposal shall be accepted will be required to execute a contract and furnish bonds within ten days from the date of notice of award delivered to him or them in person or mailed to the address given in the proposal.

Upon execution of the contract and approval of bonds, the certified check or draft will be returned to the proposer unless the same shall have been presented for collection prior to such time, in which case the amount of the deposit will be refunded by the Superintendent of Public Works.

The deposits of bidders other than the one to whom the award of contract shall be made will be returned immediately after the award has been made.

The bond required for the faithful performance of each contract shall be in such sum as shall be fixed by the Superintendent of Public Works, which sum shall not be less than twenty per centum (20%) of the estimated cost of the work according to the contract price, and an additional bond, known as the labor bond, in the sum of ten per centum (10%) of the amount of the estimated cost of the work according to the contract price, will be required as security that the contractor will pay in full at least once in each month all laborers employed by him upon the work specified to be done in the contract.

In the event that more than one surety company is offered as surety on said bonds co-insurance only will be accepted.

Each proposal must be addressed to the Superintendent of Public Works, Albany, N. Y., and must be endorsed on the envelope with the name of the construction for which the proposal is made.

Award, if made, will be made to the person or persons whose proposal shall be lowest in cost to the State for doing the work, and which shall comply with all provisions required to render it formal. Before any award shall be made the lowest bidder will be required to satisfy the Superintendent of Public Works of his ability to provide suitable equipment and materials for the proper performance of the work.

The right is reserved to reject all proposals and readvertise and award the contract in the regular manner if, in the judgment of the undersigned, the interests of the State will be enhanced thereby.

W. W. WOTHERSPOON,
Superintendent of Public Works.

January 15, 1919.

Price, $3.60 an inch—Copy can be received until Tuesday, 10 a.m., for issue out Thursday.

The publication of an advertisement on this page is an official notice that bids are wanted from other than local bidders.

It is also a guarantee that maximum competition is invited because Engineering News-Record is the *one* nationally recognized medium for Proposal advertising. Its Searchlight Section is read each week by nearly every worth-while contractor in this country who bids on public work outside his own city.

OFFICIAL PROPOSALS

Bids: Feb. 18.

Water Main

Jersey City, N. J.

Sealed proposals will be received by the Board of Commissioners of Jersey City, N. J., Tuesday, February 18, 1919, at 2 P.M., in the Assembly Chamber, City Hall, Jersey City, for the construction of a water main under the Hackensack and Passaic Rivers, in accordance with plans and specifications, and addenda thereto, on file in the office of the City Clerk of Jersey City, for public inspection.

Blank forms of bid, showing estimate of quantities and agreements of sureties, must be obtained at the office of the Consulting Engineer, Laurence A. Ball, Room 23, City Hall, Jersey City. A deposit of $25 must accompany each application for copy of plans and specifications, which deposit will be refunded when plans and specifications are returned to the Consulting Engineer in good condition.

Proposals must be inclosed in sealed envelopes, endorsed "Proposal for Water Main Under Hackensack and Passaic Rivers," directed to this board, and handed to the City Clerk in open meeting when called for in the order of business relating to sealed proposals.

The bonds required to be furnished on proposals (and a possible subsequent contract) are those of some surety company authorized to do business in the State of New Jersey.

The Board reserves the right to reject any or all proposals if it is considered for the best interests of the city so to do.

By order of the Board of Commissioners of Jersey City.

Dated: City Clerk's Office,

FRANK A. DOLAN, City Clerk.

Jersey City, January 24, 1919.

PROPOSAL FOR DREDGING.—U. S. Engineer Office, Custom House, Norfolk, Va. Sealed proposals will be received here until 12 o'clock noon, February 21, 1919, and then opened, for dredging in the Inland Waterway from Norfolk, Va., to Beaufort Inlet, N. C. Further information on application.

Proposals for Jetty Work—U. S. Engineer Office, Dallas, Tex.—Sealed proposals will be received here until 11 a. m., Feb. 25, 1919, and then opened, for jetty work at Sabine Pass, Tex. Further information on application.